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# U. S. Department of Agriculture, Forest Service.

## SERVICE DIRECTORY.

April, 1922.

This directory is issued semiannually, and is for the exclusive use of members of the Service and cooperating bureaus.

Unless otherwise indicated, the officers in charge of the individual Forests are forest supervisors, and those in charge of the individual Ranger Districts are forest rangers.

The express address of the ranger district is the same as the headquarters unless otherwise indicated.

(WU) indicates Western Union; (P) Postal; (C) Continental.

### OFFICE OF THE FORESTER.

WILLIAM B. GREELEY, Forester.

EDWARD A. SHERMAN, Associate Forester.

### FINANCE AND ACCOUNTS.

H. I. LOVING, chief of finance and accounts.

ACCOUNTING.—J. H. Kerrick, M. B. Baldenburg.

AUDIT AND TRANSPORTATION.—W. H. Shir-Cliff.

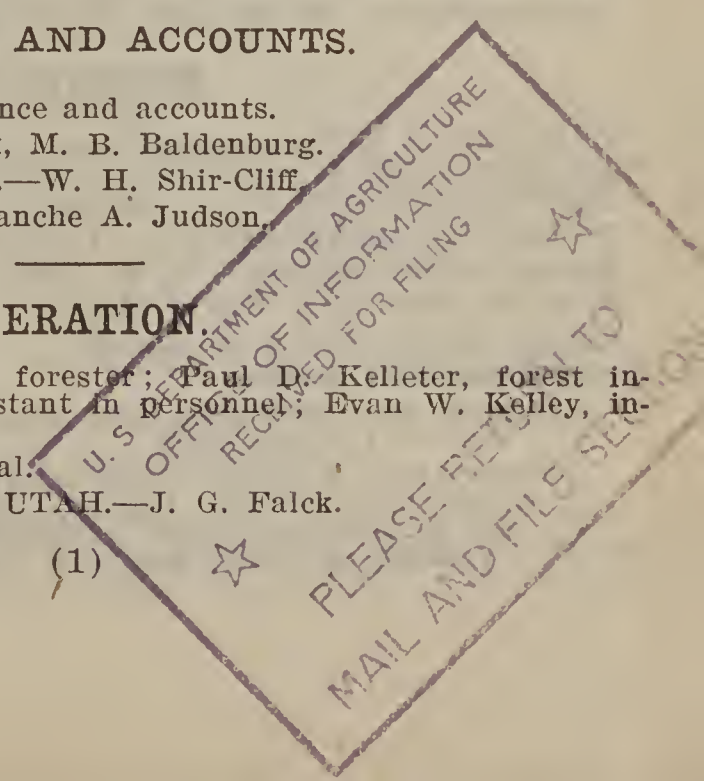
APPOINTMENT RECORDS.—Blanche A. Judson.

### OPERATION.

ROY HEADLEY, assistant forester; Paul D. Kelleter, forest inspector; G. G. Anderson, assistant in personnel; Evan W. Kelley, inspector.

MAINTENANCE.—G. M. Randal.

SUPPLY DEPOT, OGDEN, UTAH.—J. G. Falck.



## FOREST MANAGEMENT.

E. E. CARTER, assistant forester; Harry Irion, administrative assistant.

COOPERATION WITH PRIVATE TIMBERLAND OWNERS.—A. Cary, logging engineer.

WESTERN DIVISION.—J. F. Preston and I. F. Eldredge, forest inspectors.

EASTERN DIVISION.—J. G. Peters, forest inspector; C. R. Tillotson, forest examiner.

STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—J. G. Peters; J. A. Mitchell, C. R. Tillotson, and G. T. Backus (Asheville, N. C.), forest examiners.

FARM FORESTRY.—W. R. Mattoon, forest examiner.

COMPILATION OF STATE FORESTRY LAWS.—Miss J. S. Peyton.

## GRAZING.

WILL C. BARNES, assistant forester; C. E. Rachford, inspector of grazing.

GRAZING STUDIES (in cooperation with F. V. Coville, botanist, Bureau of Plant Industry).—William R. Chapline, inspector of grazing; Clarence L. Forsling, grazing examiner.

FORAGE INVESTIGATION.—William A. Dayton, plant ecologist.

RANGE RESERVE EXPERIMENTS.—Jornada Reserve: Enoch W. Nelson, grazing examiner, Las Cruces, N. Mex.; Jacob D. Schoeller, grazing assistant; R. F. Copple, ranger. Santa Rita Reserve: Matt J. Culley, grazing assistant, Tuscon, Ariz.; A. F. McDuffie, ranger.

## LANDS.

L. F. KNEIPP, assistant forester; D. F. McGowan, inspector of lands.

OCCUPANCY.—C. H. Squire, inspector of lands.

CLASSIFICATION.—W. J. Mangan, executive assistant.

ACQUISITION.—W. W. Ashe, forest inspector.

## RESEARCH.

EARLE H. CLAPP, assistant forester; Raphael Zon, forest economist; Ward Shepard, general assistant; Harry Irion, administrative assistant.

DENDROLOGY.—George B. Sudworth, dendrologist.

FOREST INVESTIGATIONS.—J. Kittredge, jr., acting.

FOREST MEASUREMENTS.—R. M. Brown.

LIBRARY.—Miss H. E. Stockbridge.

COMPILATION.—Miss E. B. Leech.

### Forest Experiment Stations:

CLOQUET (in cooperation with the University of Minnesota).—  
———, Cloquet, Minn.

PRIEST RIVER, KANIKSU NATIONAL FOREST.—R. H. Weidman, associate silviculturist, Missoula, Mont.; Julius A. Larsen and H. T. Gisborne, forest examiners. Savenac Nursery, W. G. Wahlenberg, forest assistant, Haugan, Mont.

# Forest Experiment Stations—Continued.

FREMONT, PIKE NATIONAL FOREST.—C. G. Bates, silviculturist, Box 1068, Colorado Springs, Colo.

WAGON WHEEL GAP, RIO GRANDE NATIONAL FOREST (in cooperation with the Weather Bureau).—Edwin H. Jones, Wagon Wheel Gap, Colo.

FORT VALLEY, COCONINO NATIONAL FOREST.—G. A. Pearson, silviculturist, Flagstaff, Ariz.; Herman Krauch, forest examiner; Manus E. Henegar, ranger; Fred W. Hedlund, senior clerk.

———. — E. N. Munns, forest examiner, San Francisco, Calif.

WIND RIVER, COLUMBIA NATIONAL FOREST.—Julius V. Hofmann, forest examiner, Stabler (railroad point, Carson), Wash.

APPALACHIAN.—E. H. Frothingham, silviculturist, Asheville, N. C.; E. F. McCarthy, silviculturist; C. F. Korstian and F. W. Haasis, forest examiners.

SOUTHERN.—R. D. Forbes, director New Orleans, La.; Lenthall Wyman, F. H. Miller, and W. R. B. Hine, forest assistants.

FOREST PRODUCTS LABORATORY (in cooperation with the University of Wisconsin, Madison, Wis.).—Carlile P. Winslow, director; ———, assistant director; H. D. Tiemann, dry-kiln specialist.

Publication of Results.—Ray C. Tuttle, acting; Edward P. Ancona, Erich F. Stuewe, E. V. Jotter, Francis J. Champion.

Wood Technology.—A. Koehler, Miss Eloise Gerry, B. D. Dain, Miss Gertrude Griffin, M. C. Jensen.

DERIVED PRODUCTS.—L. F. Hawley.

Distillation and Naval Stores.—L. F. Hawley, Howard N. Calderwood, C. E. Rupp.

Wood Preservatives.—Ernest Bateman, Carlton Henningsen.

Ethyl Alcohol.—E. C. Sherrard, G. W. Blanco, W. H. Gauger.

Cellulose Chemistry.————, Geo. J. Ritter, L. C. Fleck.

PULP AND PAPER.—John D. Rue.

Soda and Sulphate Processes.—Sidney D. Wells, R. H. Grabow, J. A. Staidl.

Sulphite Process.—R. N. Miller, W. H. Swanson.

Bleaching Process.—C. E. Curran, R. I. Drake.

Chemistry of Pulps.—M. W. Bray, T. M. Andrews.

Pulp and Pulpwood Decay.—J. D. Rue.

Mechanical Pulp.—C. S. Gwynne, E. R. Schafer.

TIMBER MECHANICS.—J. A. Newlin; L. J. Markwardt, assistant; T. R. C. Wilson; John M. Gahagan.

Comparison of Species.—L. J. Markwardt, R. F. Luxford.

Effect of Treatment on Strength.—T. R. C. Wilson, R. P. A. Johnson.

Fabricated Articles.—Geo. E. Heck.

Plywood Strength.—L. J. Markwardt, H. S. Grenoble, James R. McAteer.

Relation of Properties to Growth Conditions.—T. R. C. Wilson, B. H. Paul.

Structural Timbers.—J. A. Newlin.

Aircraft Study.—J. A. Newlin, G. W. Trayer.

Container Investigations.—C. A. Plaskett, W. H. Sacket, W. B. Anthony, J. G. Woodburn, I. B. Lanphier, T. A. Carlson.



TIMBER PHYSICS.—Rolf Thelen; J. S. Mathewson, assistant.

Kiln drying.—Rolf Thelen, J. D. Studley, W. K. Loughborough, A. Hermann, A. C. Knauss, E. C. Peck.

WOOD PRESERVATION.—George M. Hunt; A. L. Heim, assistant.

Laminated Wood Studies.—T. R. Truax, R. M. Wirka.

Glues and Plywood.—W. L. Jones, Alfred C. Lindauer, C. A. Harrison.

Protective Coatings.—M. E. Dunlap.

Preservation.—J. D. MacLean, Carl E. Miller.

INDUSTRIAL INVESTIGATIONS.—Arthur T. Upson.

Specifications and Grades.—D. G. White, E. P. Ivory.

Dimension Stock Study.—A. O. Benson, R. M. Volkert, L. N. Erickson, J. I. Steel, J. W. Medley, P. L. Ginter.

Wood Waste Utilization.—Arthur T. Upson, A. O. Benson.

Spark Arrester Study.—J. S. Mathewson.

PATHOLOGY (in cooperation with Bureau of Plant Industry).—R. H. Colley, in charge; C. J. Humphrey, assistant; E. E. Hubert, Miss C. Audrey Richards, Miss M. W. Taylor, Miss A. M. Waterman.

LABORATORY OPERATION.—C. V. Maudlin; Charles P. Juckem, administrative assistant.

Computing.—Miss Regina Tormey.

Engineering.—B. L. Nelson.

Photography.—M. E. Diemer.

Quarters.—L. R. Denicke.

Records.—Miss S. D. Kinney.

Supplies.—C. P. Juckem.

FINANCE AND ACCOUNTS.—W. E. Thompson, fiscal agent.

FOREST PRODUCTS.—H. S. Betts; W. D. Brush, R. K. Helphensstine, jr., John B. Cuno.

ECONOMIC INVESTIGATIONS.—————; L. S. Murphy, W. N. Sparhawk, R. V. Reynolds, A. H. Pierson, C. W. Boyce.

## ENGINEERING.

T. W. NORCROSS, chief engineer; F. E. Bonner and G. H. Lautz, assistant chief engineers.

MAPS AND SURVEYS.—G. H. Lautz; C. A. Kolb, geographer.

Atlas.—G. B. Bruce.

Drafting.—J. M. Witherow.

Engraving.—T. S. Brock.

Photography.—E. S. Shipp.

ROADS.—F. E. Bonner.

WATER POWER.—T. W. Norcross.

## PUBLIC RELATIONS.

HERBERT A. SMITH, assistant forester; W. I. Hutchinson, forest inspector and assistant chief.

INFORMATION.—W. I. Hutchinson, Thomas H. Gill.

PUBLICATION.—C. M. Ballard, chief; A. C. Watkins, assistant editor.

PRINTING.—Edward Burkholder.

EXHIBITS AND MOTION PICTURES.—C. A. Lindstrom.

## DISTRICT 1.

### NORTHERN DISTRICT.

Montana, northeastern Washington, northern Idaho, and northwestern South Dakota. Office, Federal Building, Missoula, Mont.

FRED MORRELL, district forester.

PUBLIC RELATIONS.—Theodore Shoemaker and K. D. Swan, forest examiners.

LAW.—Office of the Solicitor (Forest Service branch). C. S. Brothers, assistant to the solicitor.

FINANCE AND ACCOUNTS.—O. M. Wold, chief of office and fiscal agent; Lee Stratton, district fiscal agent.

OPERATION.—L. C. Stockdale, assistant district forester; G. I. Porter, executive assistant; E. F. White, personnel training and studies; Henry Wold, field audit.

FIRE PROTECTION.—Howard R. Flint, forest examiner.

IMPROVEMENTS.—D. L. Beatty and P. A. Wohlen, national forest examiners; R. B. Adams, telephone engineer.

LAW ENFORCEMENT.—P. J. O'Brien.

STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—R. N. Cunningham.

MAINTENANCE.—O. C. Bradeen.

FOREST MANAGEMENT.—Elers Koch, assistant district forester.

LOGGING ENGINEERING.—J. W. Girard, U. S. Swartz.

TIMBER SALES.—Field Supervision, C. E. Knouf, lumberman.

PLANTING.—D. S. Olson, planting assistant, Haugan, Mont. Savenac Nursery, G. W. Jones, forest examiner, Haugan, Mont.

FOREST INVESTIGATIONS.—W. C. Lowdermilk, forest examiner.

TIMBER SURVEYS.—F. K. Stewart, surveyor-draughtsman.

PRODUCTS.—S. V. Fullaway, jr., C. N. Whitney, and F. J. Klobucher, forest examiners.

GRAZING.—Glen A. Smith, assistant district forester; L. C. Hurt, inspector of grazing; J. B. Taylor, deputy supervisor, range appraisal.

STUDIES.—L. C. Hurt, inspector of grazing; H. W. Elofson, grazing assistant.

LANDS.—M. H. Wolff, forest examiner; Jean Ewen, surveyor-draughtsman; J. B. Seeley, office assistant.

LAND EXCHANGE.—Harry G. Ade, national forest examiner.

LAND CLASSIFICATION.—Harry G. Ade.

CLAIMS.—C. A. McElroy, land examiner.

ENGINEERING.—F. E. Thieme, district engineer.

MAPS AND SURVEYS.—J. B. Yule.

Topographic Surveys.—J. B. Yule.

Drafting.—Frank J. Cool.

Photography.—Frank J. Cool.

Entry Surveys.—W. P. Stephenson.

ROADS.—F. E. Thieme, H. A. Calkins.

WATER POWER.—E. W. Kramer.

## NATIONAL FORESTS.

### IDAHO.

**Clearwater.**—Lloyd G. Hornby, Orofino (WU) ; Paul H. Garrard, fire assistant ; Claud E. Sutton, forest examiner ; H. R. Snider and H. M. Lunsden, forest rangers ; Philip M. Lamoreux, senior clerk.

*Ranger District: Musselshell.*—W. E. Buckingham, Weippe (Exp. Orofino) ; E. T. Nero, ranger.

*Oxford.*—J. C. Urquhart, Pierce.

*Chamberlain Meadow.*—L. R. Vanairsdale, Superior, Mont.

*Fish Lake.*—J. P. Gaffney, Rivulet, Mont.

*Cook Mountain.*—A. N. Cochrell, Pierce.

**Coeur d'Alene.**—Charles K. McHarg, Coeur d'Alene (WU) ; Philip Neff, lumberman ; James F. Brooks, national forest examiner ; Frank L. Tobey and M. I. Bradner, forest assistants ; Karl J. George, senior clerk.

*Ranger District: River.*—Edward C. Pulaski, Wallace.

*Lake.*—Edward H. Coulson, forest assistant, Coeur d'Alene.

*Little North Fork.*—E. D. Eiselstein, Coeur d'Alene.

*Independence.*— ———, Coeur d'Alene.

*North Fork.*—M. R. Robins, Prichard (Exp. Enaville).

*Lower North Fork.*—F. W. Schumacher, Enaville.

*Timber Sale.*—N. Johnson, G. C. W. Earle, and A. R. MacDonald, scalers.

**Kaniksu.**—Joseph A. Fitzwater, Sandpoint (WU) ; R. A. Phillips, deputy supervisor ; Charles R. Clark, forest examiner ; Frank Foltz, fire assistant ; Howard Drake, lumberman ; Henry K. Nichols, senior clerk.

*Ranger District: Falls.*—Laurence D. Dunn, forest assistant, Priest River.

*Priest Lake.*—James K. Ward, Coolin (Exp. Priest River).

*Sullivan Lake.*—Arthur E. Pauley, Ione, Wash. (Exp. Priest River).

*Experiment Station.*—Gerhard Kempff, Priest River.

*Newport.*—M. F. Kelley, Newport, Wash. (Exp. Priest River).

*Timber Sale.*—P. N. Bates, R. E. Dow, H. A. Ogston, and J. H. Watson, scalers.

**Nezperce.**—Adrian C. Adams, Grangeville (WU) ; Clyde P. Fickes and Thomas Crossley, deputy supervisors ; A. J. Devan, fire assistant ; George V. Ring, ranger ; William M. Noble, senior clerk.

*Ranger District: Salmon River.*—William H. Deasy, Riggins (Exp. Grangeville) ; Earl McConnell, ranger.

*Hump.*—William M. Gregg, Whitebird (Exp. Grangeville).

*Clearwater.*—Vernon L. Collins, Grangeville.

*Elk City.*—James W. Dyar, Elk City (Exp. Stites).



**Pend Oreille.**—Joseph A. Fitzwater, Sandpoint (WU) ; John E. Breen, deputy supervisor ; Ray R. Fitting, fire assistant ; G. M. De Jarnette, forest assistant ; Walter W. Swartz, senior clerk.

*Ranger District: Clarksfork.*—C. E. Middleton, Clarksfork.

*Lake.*—John J. Murray, Belmont (Exp. Bayview).

*Naples.*—Francis L. Mackey, Naples.

*Moyie.*—W. O. Blackman, Sinclair (Exp. Snyder).

*Port Hill.*—F. B. Cassler, Copeland.

**Selway.**—Frank J. Jefferson, Kooskia (WU) ; Francis T. Carroll, fire assistant ; C. F. Makibbin, forest assistant ; Miles L. Marsh, senior clerk.

*Ranger District: Middle Fork, No. 1.*—Charles A. McGregor, Lowell (Exp. Kooskia) ; F. M. Cossitt and J. H. Ruberson, rangers.

*Goddard.*—S. I. McPherson, Lowell (Exp. Kooskia).

*Fish Lake.*—A. E. Kolmorgan, Lowell (Exp. Kooskia).

*Bear Creek.*—Wm. J. Bell, Lowell (Exp. Kooskia).

*Meadow Creek.*—John F. Rice, Elk City (Exp. Stites).

*Moose Creek.*—Jack A. Parsell, Kooskia.

**St. Joe.**—Charles K. McHarg, Coeur d'Alene (WU) ; Wallace W. Weber, deputy supervisor ; Ashley J. Roche, fire assistant ; Miles R. Robbins, senior clerk.

*Ranger District: Palouse.*—William H. Daus, Princeton.

*Avery.*—Clyde D. Blake, Avery.

*Wards Peak.*—A. F. Space, Avery.

*Roundtop.*—Franklin Girard, Avery.

*Pole Mountain.*— ———, Avery.

#### MONTANA.

**Absaroka.**—Ernest W. Shaw, Livingston (WU) ; Ernest T. Wolf, forest examiner ; E. M. Kapp, senior clerk.

*Ranger District: Deer Creek.*—Louis E. Ewan, jr., Reed Point.

*Main Boulder.*—Harry S. Kaufman, McLeod (Exp. Big Timber).

*West Boulder.*—Louis C. Regan, Swingley (Exp. Livingston).

*Yellowstone.*—Eric P. White, Carbella.

*Park.*—H. M. Crane, Gardiner.

*Big Timber.*—H. B. Yerkes, Big Timber.

*Cottonwood.*— ———, Lebo (Exp. Martinsdale).

*Shields.*—Arthur D. Moir, jr., Wilsall.

**Beartooth.**—R. Trevor Furgeson, Billings (WU) ; William L. Lay, deputy supervisor ; Mary E. Parr, senior clerk.

*Ranger District: Rock Creek.*—Floyd I. Dewald, Red Lodge ; W. H. Zeh and W. H. Larsen, rangers.

*Rosebud.*—Ernest R. Vick, Luther (Exp. Red Lodge).

*Stillwater.*—Jay J. McGlynch, Limestone (Exp. Columbus).

*Pryor.*—Guy O'Neil, Bowler (Exp. Bridger).

**Beaverhead.**—John B. Somers, Dillon (WU); J. W. Stanton, deputy supervisor; R. W. Beeson, grazing assistant; Fred P. Simons, senior clerk.

*Ranger District: Melrose.*—John W. Long, Melrose.

*Wisdom.*—A. W. Vogelsang, Wisdom (Exp. Divide).

*Jackson.*———, Jackson (Exp. Dillon).

*Argenta.*—H. B. Brown, Argenta (Exp. Dillon).

*Horse Prairie.*—August A. Schroeder, Grant.

*Sheep Creek.*—C. W. Griffith, Dell.

*Battlefield.*—Marshall G. Ramsey, Wisdom (Exp. Divide).

*Wise River.*—Phillip A. Clack, Wise River.

**Bitterroot.**—John W. Lowell, Hamilton (WU); William M. Nagel, forest examiner; J. P. Brown, fire assistant; Ethel M. Wilson, senior clerk.

*Ranger District: Stevensville.*—Donald B. McGregor, Stevensville.

*Corvallis.*—Winthrop H. Young, Corvallis.

*Darby.*—Nathaniel E. Wilkerson, Darby.

*Ross Hole.*—Clyde W. Shockley, Sula.

*West Fork.*—Curtis Matteson, Darby.

*Salmon Mountain.*—James D. Vance, Darby.

**Blackfeet.**—Leslie F. Vinal, Kalispell (WU); C. J. Hash, fire assistant; Remington Ellis, forest assistant; Le Vaughn Beaman, senior clerk.

*Ranger District: Upper North Fork.*—George R. Steppler, Polebridge (Exp. Columbia Falls).

*Lower North Fork.*—J. E. Adams, Columbia Falls.

*Olney.*—Kenneth Masters, Olney (Exp. Stryker).

*Fortine.*—Irving R. Jensen, Trego (Exp. Fortine).

*Tally Lake.*—Paul F. Redlingshafer, Whitefish.

**Cabinet.**—James F. Ryan, Thompson Falls (WU); John S. Bowen, fire assistant; I. V. Anderson, forest assistant; Carl H. Siria and George W. Buxton, rangers; Sylvia M. Mattila, senior clerk.

*Ranger District: Thompson River.*—Harry F. Ransom, Marion.

*Thompson Plains.*—Fred E. Brown, Thompson Falls.

*Trout Creek.*—Howard R. Larsen, Larchwood (Exp. Trout Creek).

*Noxon-Bull River.*—Benjamin F. Saint, Noxon.

*Plains.*—Neil L. Eplin, Plains.

**Custer.**—James C. Whitham, Miles City (WU, C); Wm. E. Lockhart, deputy supervisor; E. W. Hartwell, forest examiner; Elsie M. Ruppert, senior clerk.

*Ranger District: Ekalaka.*—Jacob O. Thompson, Ekalaka (Exp. Miles City).

*Long Pine.*—Otto E. York, Camp Crook, S. Dak. (Exp. Miles City).

*Short Pine.*—L. W. Shevling, forest guard, Harding, S. Dak. (Exp. Miles City).

*Slim Buttes.*—Minor G. Harvey, Gill, S. Dak. (Exp. Miles City).

*Cave Hills.*—Glen L. Dodge, Cox, S. Dak. (Exp. Miles City).

*Whitetail.*—James N. Templer, Stacey (Exp. Miles City).

*Twenty Mile.*—Warren Akers, Ashland (Exp. Miles City).

*Otter.*—Robert B. Rolfe, Ashland (Exp. Miles City).

*Poker Jim.*—Glen Flathers, Ashland (Exp. Miles City).

**Deerlodge.**—Fay G. Clark, Butte (WU, P, C) ; William L. Baldwin and Thomas A. Clapp, deputy supervisors ; John C. Ketrledge, forest examiner ; Olive Leaf, senior clerk.

*Ranger District: Deer Lodge.*—Lorenzo D. Williamson, Deer Lodge ; J. R. Jones, ranger.

*Warm Springs.*—Edward W. Kurtz, Anaconda.

*Big Hole.*———, Fishtrap (Exp. Anaconda).

*Fleeceer.*—W. V. Jefferson, Divide.

*Butte.*—W. F. Simons, Butte.

*Pipestone.*—Murray E. Skillman, Grace.

*Whitetail.*———, Whitehall.

*Boulder.*—Harvey H. Mills, Basin.

*Anaconda.*—A. E. Cole, R. C. Henley, and R. F. Nicodemus, rangers.

**Flathead.**—Joseph D. Warner, Kalispell (WU) ; Kenneth Wolfe and Harold L. Redlingshafer, deputy supervisors ; Clyde S. Webb and Alfred L. Rossman, lumbermen ; Elizabeth P. Dill, senior clerk.

*Ranger District: Essex.*—Orin V. Clover, Essex.

*Coram.*—James E. Ready, Coram.

*Echo.*—John E. Thompson, Creston (Exp. Kalispell).

*Spotted Bear.*—Henry J. Thol, Coram.

*Big River.*—Thomas M. Wiles, Essex.

*Upper Swan.*—E. H. Billsborough, Rumble Creek (Exp. Kalispell).

*Lower Swan.*—A. J. Halvorson, Swan Lake (Exp. Kalispell).

*Upper South Fork.*—Ray I. Trueman, Coram.

*Lower South Fork.*—Ansley E. Hutchinson, Coram.

**Gallatin.**—Burr W. Clark, Bozeman (WU, C) ; C. B. Swin, national forest examiner ; D. C. Poshusta, grazing assistant ; Edward J. Hoel, senior clerk.

*Ranger District: Upper Gallatin.*—Joseph E. Callahan, Eldridge (Exp. Salesville).

*Squaw Creek.*—W. A. Chipperfield, Salesville.

*Middle Creek.*—Albert H. Nee, Bozeman.

*Yellowstone.*—Lester H. McLean, Emigrant.

*Bridger.*—Edward F. Foreman, Bozeman.

*Flathead.*—Fred E. Ainger, Wilsall.

**Helena.**—Arthur H. Abbott, Helena (WU, P) ; Guy M. Brandborg, deputy supervisor ; Wellington I. White, forest examiner ; Gladys I. Jackson, senior clerk.

*Ranger District: Deep Creek.*—Earl V. Welton, Townsend.

*Duck Creek.*—Bertram A. Goodman, Canton (Exp. Townsend).

*Smith River.*—John D. Gruar, Watson (Exp. Townsend).

*Nelson.*—Calvin E. Barrick, Nelson (Exp. Helena).

*McClellan.*—C. F. Martineau, Clancy.

*Crow Creek.*—Ray M. Kingsley, Radersburg (Exp. Toston).

*Helena.*—David H. Lewis, Helena.

*Blackfeet.*—M. D. Mizner, Elliston.



**Jefferson.**—Wilford H. Willey, Great Falls (WU, P, C) ; Edward J. Yeomans and Adolph Weholt, deputy supervisors ; Ella M. Trieckler, senior clerk.

**Ranger District: Tenderfoot.**—A. L. Giddings, Monarch.

**Belt Creek.**—S. C. Sanderson, Neihart.

**Dry Wolf.**—Ralph E. Dickinson, Stanford.

**Judith River.**—Thomas G. Myers, Utica (Exp. Hobson).

**East End and West Snowies.**—David Lake, Judith Gap.

**Mussellshell.**—John P. Bonham, Martinsdale.

**Sheep Creek.**—Emery E. Wilson, White Sulphur Springs.

**Castle Mountains.**—W. M. Laybourn, White Sulphur Springs.

**Snowy Mountains East.**—Leon L. Lake, Heath.

**Highwood Mountains.**—Stacey Eckert, Highwood.

**Little Rockies.**—A. W. Armstrong, Zortman (Exp. Dodson).

**Kootenai.**—Arthur M. Baum, Libbey (WU) ; Justin K. Dwinelle, fire assistant ; Ralph A. Fletcher, forest assistant ; K. A. Klehm, ranger ; Adelaide Erdman, senior clerk.

**Ranger District: Upper Yaak.**—John P. Baldwin, Troy.

**Lower Yaak.**—John D. Brooks, Troy.

**Cabinet.**—E. A. Woods, Troy.

**Libby.**—Perry R. Rogers, Libby.

**Swamp Creek.**—Howard McGill, Libby.

**Pleasant Valley.**—Alvin E. Beckwith, Manicke (Exp. Libby).

**Warland.**—Leland E. Tripp, Warland.

**Rexford.**—L. H. Brown, Rexford.

**Pipe Creek.**—Frank H. Pillsbury, Libby.

**Timber Sale.**—J. H. Bosworth and Scott Merwin, scalers.

**Lewis and Clark.**—Eldon H. Myrick, Choteau (WU, C) ; William M. Rush, deputy supervisor ; Iphi Mills, senior clerk.

**Ranger District: Lubec.**—J. C. De Groat, Glacier Park.

**Teton.**—C. A. Butler, Choteau.

**Sun River.**—H. H. Hendron, Gilman.

**Willow Creek.**—Harry H. Halvorson, Augusta (Exp. Gilmon).

**Dearborn.**—George Grigg, Augusta (Exp. Gilman).

**Blackleaf.**—C. L. McVey, Blackleaf (Exp. Bynum).

**Lolo.**—Wilfred W. White, Missoula (WU, P, C) ; Ross A. Williams, forest assistant ; Lucile Hammond, senior clerk.

**Range District: Lolo.**—Edward Mackay, Lolo.

**Powell.**—Edward Mackay, Lolo ; A. B. Hodgins, ranger.

**Frenchtown.**—A. T. Macnab, Frenchtown.

**Quartz.**—George H. Hankinson, Tarkio.

**Superior.**—L. F. Jefferson, Superior.

**Savenae.**—Frank D. Haun, Haugan.

**St. Regis.**—Bert Harris, St. Regis.

**Elk Summit.**—W. J. Bell, Lolo.



**Madison.**—Walter J. Derrick, Sheridan (WU) ; Wm. J. McCarthy, forest assistant ; Wm. A. Schiowe, ranger ; Elva J. Leach, senior clerk.

*Ranger District: Sheridan.*—Harvey B. Rust, Sheridan.

*Pony.*—Claget Sanders, Pony.

*Beaver Creek.*—Homer C. Bosworth, Cameron (Exp. Norris).

*Basin.*—G. E. Martin, West Yellowstone.

*Lyon.*—Arthur T. Smith, Lyon.

*Ruby.*—Ben. P. Martin, Alder.

*Wall Creek.*—Frank D. Riggle, Abe (Exp. Norris).

**Missoula.**—Rutledge Parker, Missoula (WU, P, C) ; John H. Clark, fire assistant ; Alice Sheedy, senior clerk.

*Ranger district: Philipsburg.*—A. Price Townsend, deputy supervisor, Philipsburg.

*West Fork.*—H. R. Richards, Philipsburg.

*Bonita.*—Lewis G. Nichols, Bonita.

*Seely Lake.*—August J. Riggert, Seely Lake (Exp. Missoula).

*Monture.*—Le Baron M. Beard, Ovando (Exp. Missoula).

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## DISTRICT 2.

### ROCKY MOUNTAIN DISTRICT.

Colorado, Wyoming, South Dakota, Nebraska, northern Michigan, and northern Minnesota. Office, New Federal Building, Denver, Colo.

ALLEN S. PECK, district forester.

PUBLIC RELATIONS.—H. N. Wheeler.

LAW.—Office of the Solicitor (Forest Service branch). W. J. Ise, assistant to the solicitor.

FINANCE AND ACCOUNTS.—Q. R. Craft, chief of office and fiscal agent ; Joel I. Buckner, district fiscal agent.

OPERATION.—C. M. Granger, assistant district forester ; John McLaren, fire protection ; H. R. Kylie, telephone engineer and improvements ; Peter Keplinger, training.

STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—South Dakota : John McLaren. Michigan, Minnesota, and Wisconsin : Crosby A. Hoar, 312 Torrey Bldg., Duluth, Minn.

MAINTENANCE.—C. A. Neeper.

FOREST MANAGEMENT.—M. W. Thompson, assistant district forester ; J. A. Donery, lumberman.

TIMBER SURVEYS AND INSECT CONTROL.—W. J. Pearce, forest examiner.

PLANTING.—Fred R. Johnson.

GRAZING.—John H. Hatton, assistant district forester ; Lynn H. Douglas, inspector of grazing.

STUDIES.—Lynn H. Douglas, inspector of grazing ; Jesse M. Mann, grazing examiner ; Frank H. Rose, grazing assistant.

LANDS.—C. J. Stahl, assistant district forester ; Thos. M. Moorman, assistant ; Arthur H. Carhart, recreation engineer.

**ENGINEERING.**—Fred D. Mendenhall, district engineer; J. L. Brownlee, assistant district engineer.

**MAPS AND SURVEYS.**—J. Burgess.

**Drafting.**—L. S. Good.

## NATIONAL FORESTS.

### COLORADO.

**Arapaho.**—John V. Leighou, Hot Sulphur Springs (WU); L. C. Anderson, forest assistant; A. E. Straub, jr., senior clerk.

*Ranger District: Williams Fork.*—Walter W. Wolf, Scholl (Exp. Parshall).

*Fraser.*—Ralph A. Polhemus, Fraser.

*Sulphur.*—J. L. Glendening, Hot Sulphur Springs.

*North Park.*—Frank R. Crow, Rand (Exp. Walden).

*Timber Sale.*—Neil J. M. Horan and J. C. McCallister, Fraser.

**Battlement.**—John W. Spencer, Grand Junction (WU); D. C. Montgomery, executive assistant.

*Ranger District: Grand River.*—M. S. Hulse, Rifle.

*Muddy.*—W. F. Gilliam, Paonia.

*Lakes.*—J. B. Robinson, Cedaredge (Exp. Delta).

*Mesa.*—D. E. Basham, Mesa (Exp. De Beque).

*Collbran.*—G. L. Sanders, Collbran.

**Chochetopa.**—Fred B. Agee, Salida (WU); Clarence E. Taylor, forest examiner; Victor H. Frey, executive assistant.

*Ranger District: Carnero.*—Tibo Gallegos, Saguache.

*Saguache.*—Frank L. Trickle, Saguache (Exp. Moffat).

*Bonanza.*———, Villa Grove.

*Ponchas.*—Joseph M. Cuenin, Salida.

*Tomichi.*—W. E. Shropshire, Sargents.

*Cebolla.*—John A. Stavely, Parlin.

**Colorado.**—Wm. R. Kreutzer, Fort Collins (WU); Lee P. Brown, forest assistant; G. C. Hougham, executive assistant.

*Ranger District: Boulder.*—Ray R. Clarke, Boulder.

*Ward.*—L. H. Ulrich, Boulder.

*Estes Park.*—Josephus Ryan, Estes Park.

*Buckhorn.*—R. R. Willey, Masonville (Exp. Fort Collins).

*Poudre.*—R. C. McConnell, Bellvue (Exp. Fort Collins).

*Livermore.*—Gilbert N. Hunter, Fort Collins.

*North Park.*—L. H. Carr, Walden.

*Timber Sale.*—D. M. Fraser and Glenn Dalton, Foxpark, Wyo.

**Gunnison.**—Theodore Krueger, Gunnison (WU); Maude G. Bray, senior clerk.

*Ranger District: Pitkin.*—Jessè L. Trickle, Pitkin.

*Taylor Park.*—Wm. A. Potter, Pitkin.

*Crested Butte.*—Arthur L. Mills, Crested Butte.

*Anthracite.*—Edwin L. Miller, Baldwin (Exp. Gunnison).

*North Fork.*—Thomas H. Thurman, Paonia.

*Sapinero.*—G. M. Sprague, Sapinero.

*Black Mesa.*—B. C. Heilman, Crawford (Exp. Hotchkiss).

**Holy Cross**—Alve L. Richey, Glenwood Springs (WU); G. M. Hunter, deputy forest supervisor; Frank W. Becker, senior clerk.

*Ranger District: Sheephorn*.—H. E. Flack, Radium.

*Red Cliff*.—W. M. Scanlan, Red Cliff.

*Avon*.— ———, Avon.

*Eagle*.—Wm. S. Brown, Eagle.

*Frying Pan*.—V. C. Holcomb, Basalt.

*Capital Creek*.—Harold B. Perkins, Woody.

*Aspen*.—L. C. Shoemaker, Aspen.

*Crystal River*.—R. M. Bradshaw, Carbondale.

**Leadville**.—Harold L. Borden, Leadville (WU, P); Frank E. Hausherr, forest assistant; Mary B. Hughes, senior clerk.

*Ranger District: Buena Vista*.—James L. Frame, Buena Vista.

*Leadville*.—Harry J. Smith, Leadville.

*Dillon*.—Edward F. Heaton, Dillon.

*Blue River*.—Stanley A. Mahan, Dillon.

*South Park*.—Rolla C. Prater, Fairplay.

**Montezuma**.—A. F. C. Hoffman, Mancos (WU); Robert H. Easterbrooks, forest examiner; Chester A. Lee, grazing assistant; M. R. Kennedy, senior clerk.

*Ranger District: Mancos*.—J. Ward Emerson, Mancos.

*Dolores*.—H. E. Kauffman, Dolores.

*Gladc*.—D. S. Thomas, Dolores.

*Norwood*.—W. I. Wilson, Norwood.

*Telluride*.—Rich R. Thomson, Telluride.

*Rico*.—James G. Cayton, Rico.

**Pike**.—Ress Philips, Denver (WU, P); Everard S. Keithley, forest examiner; Jacob Roeser, jr., forest assistant; L. T. Mahurin, executive assistant. Monument Nursery, W. H. Schrader, planting assistant, Monument.

*Ranger District: Clear Creek*.—W. B. Kelso, Idaho Springs.

*Jefferson*.—J. B. Fitzsimmons, Cassels (Exp. Grant).

*South Platte*.—F. C. Parret, Buffalo Creek (Exp. Pine Grove).

*Lake George*.—R. H. Treupel, Lake George (Exp. Divide).

*Devils Head*.—Fred Stell, Woodland Park.

*Pikes Peak (N)*.—F. F. Poley, Cascade (Exp. Colorado Springs).

*Pikes Peak (S)*.—J. H. Patterson, Colorado Springs.

**Rio Grande**.—R. E. Clark, Monte Vista (WU); Walter F. Bowers, deputy supervisor; Lillie M. Grubb, senior clerk.

*Ranger District: Pyramid*.—E. L. Bennett, Creede.

*Creede*.—Roy M. Truman, Creede.

*Alder*.—J. L. Nelson, South Fork.

*South Fork*.—J. A. Hagerman, South Fork.

*Del Norte*.—William M. Darley, Monte Vista.

*Conejos*.—Edward O. West, Antonito.



**Routt.**—Ray Peck, Steamboat Springs (WU) ; Chas. H. Vaux, forest assistant ; Agnes McNair, senior clerk.

*Ranger District: Park Range.*—G. P. McClanahan, Coalmont.

*Gore.*—Charles W. Euler, Yampa.

*Steamboat.*—Lewis L. Segur, Steamboat Springs.

*Hahns Peak.*—Dean H. Leonard, Clark.

*Snake River.*—William F. Cochran, Columbine (Exp. Steamboat Springs).

*Bears Ears.*—Percy Ray, Fortification.

**San Isabel.**—Albin G. Hamel, Pueblo (WU) ; S. E. Doering, deputy supervisor ; Fay A. Kendig, senior clerk.

*Ranger District: Hardserabble.*—J. J. Lowell, Wetmore (Exp. Florence).

*Greenhorn.*—Harry Friend, Rye (Exp. Pueblo).

*Westcliffe-Salida.*—Neal O. McKinley, Westcliffe.

*San Luis.*—J. A. Sharp, Crestone.

*Blanca.*—Paul Gilbert, Gardner (Exp. Walsenburg).

*Las Animas.*—Karl Gilbert, La Veta.

**San Juan.**—H. Earl French, Durango (WU) ; Charles B. Mack, deputy supervisor ; Teresa V. Fackerell, senior clerk.

*Ranger District: La Plata.*—James C. Maloy, Hesperus.

*Engineer.*—Lewis R. Rist, Durango.

*Animas.*—Thomas E. Price, Durango.

*Pine.*—Harry D. Hauser, Bayfield (Exp. Ignacio).

*Chimney.*—Frank E. Loring, Bayfield.

*Piedra.*—James B. Beals, Debs (Exp. Pagosa Springs).

*Pagosa.*—Paul D. Irwin, Pagosa Springs.

*Treasure.*—Frank McDaniel, Pagosa Springs.

*Blanco.*—Harry L. Norris, Pagosa Springs.

**Uncompahgre.**—Harry H. French, Delta (WU) ; Karl G. Brown, executive assistant.

*Ranger District: North End.*—Elmer F. Reed, Grand Junction.

*Delta.*—John H. Keep, Delta.

*Migucl.*—R. C. Miller, Nucla.

*Ouray.*—Thomas J. Watkins, Ouray.

*Alpine.*—William Doran, Lake City.

**White River.**—James A. Blair, Glenwood Springs (WU) ; Harry D. Cochran, forest assistant ; Carl H. Gepfarth, senior clerk.

*Ranger District: Sleepy Cat.*—S. E. Alderson, Marvine (Exp. Meeker).

*Williams Fork.*—Bert L. Miller, Pagoda (Exp. Craig).

*Bear River.*—Elmer E. Stephenson, Yampa.

*Burns Hole.*—Felix E. Read, Riland.

*New Castle.*—George A. Powell, New Castle.

*Miller Creek.*—Byron L. Groesbeck, Buford.

*Shoshone.*—R. W. McDonald, Glenwood Springs.



## MICHIGAN.

**Michigan.**—R. G. Schreck, East Tawas (WU) ; Edith C. Lutzke, senior clerk. Beal Nursery, East Tawas.

*Ranger District: Tawas.*—Ralph H. Johnson, East Tawas.

*Mio.*—Bennett S. Azer, Mio (Exp. Rose City).

*Marquette.*—Fred A. Woleben, Raco.

## MINNESOTA.

**Minnesota.**—G. E. Marshall, Cass Lake (WU) ; Harry D. Petheram, forest assistant ; R. W. Henry, senior clerk. Cass Lake Nursery.

*Ranger District: Cass Lake.*—M. J. Cummings, Cass Lake.

*Bena.*—Matt Soderback, Bena.

*Cutfoot Sioux.*—George Farley, Deer River (Exp. Bena).

**Superior.**—C. A. Dahlgren, Ely (WU) ; Wm. L. Barker, Jr., forest assistant ; Joseph Pluth, senior clerk.

*Ranger District: Sioux River.*—John G. Handberg, Buyck (Exp. Orr).

*Sawbill.*—J. E. Mulligan, Grand Marais.

*Island Lake.*—M. J. Valentine, Grand Marais.

*Big Lake.*—Oscar A. Heikkila, Ely.

*Stony.*—Thos. A. Denley, Ely.

*Kawishiwi.*—Frank Carney, Ely.

*Brule Lake.*—Charles Tayler, Grand Marais.

## NEBRASKA.

**Nebraska.**—Jay Higgins, Halsey (WU) ; Ralph W. Gray, executive assistant. Morton Nursery, Nenzel. Bessey Nursery, Harry C. Turner, planting assistant, Halsey ; John A. Lubbe, ranger.

*Ranger District: Niobrara.*—John G. Lord, Nenzel.

## SOUTH DAKOTA.

**Black Hills.**—George A. Duthie, Deadwood (WU) ; N. E. Peterson, lumberman ; William Tokola, senior clerk.

*Ranger District: Spearfish.*—Reed L. Lee, Savoy.

*Crook Mountain.*—Frank T. Smith, Sturgis.

*Hardy.*—Meredith Leitch, Lead.

*Rochford.*—C. L. Webber, Rochford.

*Merritt.*—Manford R. Hickel, Nemo.

*Pactola.*—Marion J. Webber, Pactola (Exp. Nemo).

*Nemo.*—S. H. Forrest, Nemo.

*Bearlodge.*—William A. Robison, Aladdin, Wyo.

*Black Buttes.*—George A. Price, Savoy.

*Timber Sale.*—Theo. Cochran, Mystic.

**Harney.**—James F. Conner, Custer (WU); Cyril B. Webster, forest assistant; W. C. Robert, senior clerk.

*Ranger District: Keystone.*—George S. Haynes, Keystone (Exp. Hill City).

*Hill City.*—Charles H. Fox, Hill City.

*Bear Mountain.*—E. W. Hedlun, Custer.

*Custer.*—H. A. Gould, Custer.

*Pringle.*—N. E. Hibbard, Pringle.

*Elk Mountain.*—Clair V. Cooke, Dewey.

*Limestone.*—Guy Wickard, Newcastle, Wyo.

#### WYOMING.

**Bighorn.**—E. W. Tinker, Sheridan (WU); P. V. Woodhead, deputy supervisor; F. L. Archer, executive assistant.

*Ranger District: Porcupine.*—Earl W. Snelling, Lovell.

*Tongue.*—Y. Z. David, Dayton (Exp. Ranchester).

*Shell.*—Thomas Weir, Shell (Exp. Greybull).

*Paintrock.*—Bly Dickson, Hyattville (Exp. Manderson).

*Goose.*—J. S. Veeder, Big Horn (Exp. Sheridan).

*Buffalo.*—C. B. Morgareidge, Buffalo.

*Tensleep.*—F. P. Legat, Tensleep (Exp. Manderson).

**Hayden.**—James Blackhall, Encampment (WU, P).

*Ranger District: Big Creek.*—Reed A. Higby, Big Creek (Exp. Encampment via Walcott).

*Encampment.*—Geo. P. Lang, Encampment (Exp. Walcott).

*North End.*—Richard R. Riggs, Saratoga (Exp. Walcott).

*Snake River.*—Penn L. Gooldy, Savery (Exp. Wamsutter).

**Medicine Bow.**—Huber C. Hilton, Laramie (WU, P); K. J. Helmick, lumberman; James M. Walley, forest assistant; Louis E. Coughlin, executive assistant.

*Ranger District: Foxpark.*—Joseph Van Ende, Foxpark.

*Keystone.*—Carl A. Bode, Holmes (Exp. Albany).

*Brush Creek.*—Milton E. Ames, Saratoga.

*Bow.*—Frank E. Henry, Elk Mountain (Exp. Hanna).

*Sevenmile.*—Evan J. Williams, Centennial.

*Timber Sale.*—R. L. Clarke, J. W. Delaney, and Bruce Torgny, Foxpark.

**Shoshone.**—Andrew Hutton, Cody (WU); Mrs. Margaret Hayden, senior clerk.

*Ranger District: Greybull.*—Frank E. McGrew, Pitchfork (Exp. Cody).

*North Fork.*—C. C. Spencer, Wapiti (Exp. Cody).

*South Fork.*—W. J. Petermann, Ishawooa (Exp. Cody).

*Sunlight.*———Painter (Exp. Cody).

*Clarks Fork.*—Fred R. Thomas, Painter (Exp. Cody).

**Washakie.** Arthur M. Cook, Lander (WU); E. A. Johnson, forest assistant; E. H. Peck, lumberman; Elsie Bayer, senior clerk.

**Ranger District: Absaroka.**—G. W. Goodson, Dubois.

**Sheridan.**—M. R. Taylor, Dubois (Exp. Lander).

**Lander.**—Chaffan Stoddard, Lander.

**Timber Sale.**—Fred R. Bruto and John V. K. Wagar, Dunoir.

## DISTRICT 3.

### SOUTHWESTERN DISTRICT.

Arizona and New Mexico. Offices, Gas and Electric Building, Albuquerque, N. Mex.

**FRANK C. POOLER**, district forester.

**LAW.**—Office of the solicitor (Forest Service Branch). **M. M. Cheney**, assistant to the solicitor.

**FINANCE AND ACCOUNTS.**—**Albert Morris**, chief of office and fiscal agent; **S. H. Busch**, district fiscal agent.

**OPERATION.**—**Aldo Leopold**, assistant district forester; **James F. Mullen**, national forest examiner, assistant chief.

**MAINTENANCE.**—**H. B. Hammond**, national forest examiner.

**FOREST MANAGEMENT.**—**R. E. Marsh**, assistant district forester; **D. M. Lang**, lumberman; **Quincy Randles**, forest examiner.

**W. H. Long**, consulting pathologist, Albuquerque, N. Mex.

**GRAZING.**—**John Kerr**, assistant district forester; **Paul H. Roberts**, inspector of grazing; **C. K. Cooperrider**, grazing examiner.

**STUDIES.**—**M. W. Talbot**, grazing examiner.

**RECONNAISSANCE.**—**H. O. Cassidy** and **R. W. Hussey**, grazing assistants.

**LANDS.**—**John D. Jones**, assistant district forester.

**ENGINEERING.**—**C. A. Long**, district engineer.

**MAPS AND SURVEY.**———.

**Drafting.**—**F. E. Landon**.

**Entry Survey.**—**T. F. Myers**, surveyor.

**ROADS.**—**C. A. Long**, Minor Road Construction and Surveys; **R. L. Hughes**.

**WATER POWER.**—**C. A. Long**.

**PUBLIC RELATIONS.**—**Joseph C. Kircher**, assistant district forester.

## NATIONAL FORESTS.

## ARIZONA.

**Apache.**—J. H. Sizer, Springerville (P—Exp. Holbrook); A. W. Veigt, supervisor; Grace Blankenagel, senior clerk.

*Ranger District: Alpine.*—H. H. Boyer, Alpine (Exp. Holbrook).

*Baseline-Clifton.*—J. C. Nave, deputy supervisor, Clifton; Corte O. Douglas, ranger.

*Blue.*—David S. Marks, Blue (Exp. Holbrook).

*Eagle.*—Peter J. Wilson, Clifton (Exp. Holbrook).

*Greer.*—H. L. Haynes, Greer (Exp. Holbrook).

*Nutrioso.*—Roy Swapp, Nutrioso (Exp. Holbrook).

**Coconino.**—E. G. Miller, Flagstaff (WU, P); J. A. Adams, supervisor; L. R. Lessel, national forest examiner; M. Westveld, forest examiner; P. H. Harley, senior clerk.

*Ranger District: Beaver Creek.*—Walter Hackleman, Camp Verde.

*Bly.*—J. W. Girdner, deputy supervisor, Winslow.

*Flagstaff.*—M. L. Nichols, deputy supervisor, Flagstaff; C. L. Lincoln, ranger.

*Long Valley.*—W. J. Brown, Camp Verde (Exp. Clarksdale); C. N. Lochman.

*Mormon Lake.*—Roy H. Rice, Flagstaff.

*Munds Park.*—J. I. Bushnell, Cornville (Exp. Clarksdale); R. I. Stewart, ranger.

*Rogers Lake.*—John L. Stevens, Flagstaff.

*Walnut Canyon National Monument.*—Neal Erickson, Flagstaff.

*Arizona Lumber & Timber Co. Sale.*—R. F. Rhinehart, lumberman, Flagstaff.

*Flagstaff Lumber Co. Sale.*—John J. Cummings, ranger-scaler, Flagstaff.

*McGonigle Lumber & Development Co. Sale.*—Kimberlin Carlisle, ranger-scaler, Flagstaff.

*Greenlaw Lumber Co. Sale.*—Fred V. Plomteaux, scaler, Flagstaff.

**Coronado.**—H. G. Calkins, Tucson (WU); F. L. W. Grubb, supervisor; C. W. McKenzie, deputy supervisor; Anita P. Kellogg, senior clerk.

*Ranger District: Santa Catalina.*—J. A. Frieborn, Oracle (Exp. Tucson).

*Huachuca.*—Robt. Thompson, deputy supervisor; Cannille (Exp. Huachuca); A. B. Young, ranger.

*Paradise.*—C. B. Scholefield, Rodeo, N. Mex.

*Peloneillo.*—G. E. Galer, Apache.

*Rincon.*—Frank D. Harris, Vail.

*Santa Rita.*—L. B. Smith, Vail.

*Sunset.*—O. P. Schoenberg, deputy supervisor, Chiricahua (Exp. Douglas).

*Tumacacori.*—Olaf J. Olson, Nogales.

*Dragoon-Whetstone.*—Edwin G. Mettler, Cochise.



- Crook.**—T. T. Swift, Safford (WU) ; W. L. Stiles, executive assistant.  
*Ranger District: Aravaipa.*—H. E. Chipman, Klondyke (Exp. Wilcox).  
*Pinal.*—C. V. Christensen, Globe.  
*Queen Creek.*—H. L. Taylor, deputy supervisor, Globe.  
*Mount Graham.*—R. D. Rowley, Safford.
- Prescott.**—H. Basil Wales, Prescott (WU) ; Robert Munro, national forest examiner ; R. L. Linton, senior clerk.  
*Ranger District: Bloody Basin.*—W. M. Michelson, Mayer ; F. L. McCament.  
*Cave Creek.*—R. H. Thompson, Cave Creek ; William Pradt.  
*Cherry.*—Alfred P. Jahn, Cherry (Exp. Cherry Creek).  
*Crown King.*—R. S. Taliaferro, Crown King.  
*Jerome.*—George Mutz, Jerome.  
*Prescott.*—J. C. McNelty, deputy supervisor, Prescott.  
*Skull Valley.*—H. H. Higgins, Skull Valley.  
*Walnut Creek.*—E. H. Oldham, Simmons (Exp. Prescott).
- Sitgreaves.**—T. C. Hoyt, Snowflake (P) ; Robert C. Salton, forest assistant ; Fred Merkle, scaler ; A. G. McCloskey, senior clerk.  
*Ranger District: Chevalon.*—W. E. Baldwin, Winslow.  
*Heber.*—James L. Hall, Heber (Exp. Holbrook).  
*Lakeside.*—C. Shumway, Lakeside (Exp. Holbrook).  
*Pinedale Park.*—D. E. Slosser, Pinedale (Exp. Holbrook).  
*Showlow.*—L. S. Kartchner, Shumway (Exp. Holbrook) ; S. Ross, Hunt.
- Tonto.**—W. H. Goddard, Roosevelt (WU) ; F. L. Kirby, deputy supervisor ; Ruth S. Hargrave, senior clerk.  
*Ranger District: Mazatzal.*—Fred W. Croxen, Roosevelt (Exp. Globe).  
*Payson.*—R. C. James, Payson (Exp. Globe).  
*Pine.*—M. M. Bruhl, Pine (Exp. Globe).  
*Pleasant Valley.*—G. B. Rencher, Young (Exp. Globe) ; Joseph Hand.  
*Salt River.*—L. E. Anderson, M. R. Stewart, Roosevelt (Exp. Globe).  
*Sierra Ancha.*—A. I. Hall, Spring Creek (Exp. Globe).
- Tusayan.**—James A. Scott, Williams (WU, P) ; G. W. Kimball, forest examiner ; Hans Bothe, senior clerk.  
*Ranger District: Anita Moqui.*—J. E. Kintner, Williams.  
*Ash Fork.*—F. J. Cox, Ash Fork.  
*Chalender.*—Frank Bascom, Parks (Exp. Williams).  
*Spring Valley.*—Arthur Gibson, Parks (Exp. Williams).  
*Verde.*—Fred Haworth, Puntenney (Exp. Cedar Glade).  
*Williams.*—T. W. Rice, Williams.  
*Saginaw & Manistee Lumber Co. Sale.*—H. E. German and S. P. Roach, scalers ; E. L. Hamilton, forest assistant, Williams.

## NEW MEXICO.

**Carson.**—E. W. Loveridge, Taos (WU) ; C. R. Dwire, national forest examiner ; Evan W. Hadley, forest assistant ; Luis P. Martinez, senior clerk.

*Ranger District: Canjilon.*—J. L. Hughes, Canjilon (Exp. Chama).

*Jicarilla.*—H. W. Naylor, Vaqueros, Exp. Dulce).

*Questa.*—L. F. Cottam, Questa (Exp. Jarosa).

*San Antone.*—R. L. Ground, Ortiz (Exp. Antonito).

*Serrilleta.*—C. G. Harrington, Tusas (Exp. Tres Piedras).

*Vallecitos.*—W. E. Murk, Vallecitos (Exp. La Madera).

*Taos.*—Lloyd A. Brisbin, Taos (Exp. Taos Junction).

*Picuris.*—————.

*Hallack and Howard Sale.*—W. J. Perry, lumberman, La Madera ; Charles Tattie, ranger.

*Santa Barbara Exchange.*—W. R. Shoemaker, ranger.

**Datil.**—A. H. Douglas, Magdalena (WU) ; S. F. Wilson, forest examiner ; W. J. Anderson, national forest examiner ; Anna E. Fraser, senior clerk.

*Ranger District: Baldwin.*—Frank Hiler, Datil (Exp. Magdalena).

*Black Range.*—R. B. Ewing, Fairview (Exp. Engel).

*Elk Mountain.*—J. B. Crain, Datil (Exp. Magdalena) ; J. H. Dowell, ranger.

*Frisco.*—J. A. Simmons, deputy supervisor, Reserve (Exp. Magdalena) ; F. W. Buster, ranger.

*Jewett.*—Allen F. Bloom, Aragon (Exp. Magdalena).

*Luna.*—B. S. Rogers, Luna (Exp. Magdalena).

*Magdalena.*—S. Q. Garst, Magdalena.

*Red Rock.*—T. J. Ground, Monticello (Exp. Engle) ; Claude Fritz, ranger.

*Rosedale.*—Louis Ketcham, Rosedale (Exp. Magdalena).

*Tulerosa.*—W. G. Onstad, Aragon (Exp. Magdalena).

**Gila.**—Frederic Winn, Silver City (WU) ; L. J. Putsch and H. Norton Cope, supervisors ; Warren M. Cox, senior clerk.

*Ranger District: Big Burros.*—W. R. Warner, Tyrone.

*Black Range.*—J. R. Painter Kingston (Exp. Lake Valley).

*Frisco.*—C. H. Bowen, Buckhorn (Exp. Silver City).

*McKinney Park.*—Henry Woodrow, Cliff (Exp. Silver City).

*Mimbres.*—R. W. Wood, Mimbres (Exp. Santa Rita).

*Mogollon.*—————, Mogollon (Exp. Silver City).

*Pinos Altos.*—C. E. Hulbert, Pinos Altos (Exp. Silver City).

**Lincoln.**—O. F. Arthur, Alamogordo (WU); H. D. Burrall, forest examiner; Simeon Strickland, lumberman; Bernice G. Havius, senior clerk.

*Ranger District: Capitan.*—W. C. White, Lincoln (Exp. Capitan).

*Cloudercroft.*—H. G. Smith, Cloudercroft; John H. Mims.

*Gallinas.*—W. H. Woods, Corona.

*Guadalupe.*—Lea Beall, Queen (Exp. Carlsbad).

*Mayhill.*—Geo. D. Russell, Mayhill (Exp. Cloudercroft).

*Ruidoso.*—G. W. Messer, Glencoe (Exp. Capitan).

*Weed.*—A. S. Wingo, Weed (Exp. Cloudercroft).

*White Mountain-Patos.*—J. A. Brubaker, Capitan; R. V. Galt.

*Southwestern Lumber Co. Sale.*—Daniel Felts, Cloudercroft.

**Manzano.**—K. C. Kartchner, Albuquerque (WU, P); C. H. Kissam, national forest examiner; Susan R. C. Beyer, senior clerk.

*Ranger District: Northern.*—C. L. Warnock, Tijeras (Exp. Albuquerque).

*Southern.*—L. A. Shartzer, Mountainair; G. L. Beckwith.

*Mount Taylor.*—Louis H. Laney, Grants.

*Zuni.*—F. E. Brennan, McGaffey (Exp. Perea).

**Santa Fe.**—Frank E. Andrews, Santa Fe (WU, P); W. J. Doherty, national forest examiner; Rex King, forest examiner; M. F. Pincetl, deputy supervisor; M. J. Pettis, executive assistant.

*Ranger District: Borrego.*—W. J. Pinson.

*Chama.*—J. A. Rodriguez, Coyote (Exp. Espanola).

*Cochiti.*—B. H. Brown, Bland (Exp. Domingo).

*Cuba.*—E. L. Perry, Senorito (Exp. Albuquerque).

*Gallina.*—L. D. Lemley, Gallina (Exp. Espanola).

*Pancharua.*—J. W. Johnson, Cowles (Exp. Glorieta).

*Mora-San Miguel.*———, El Porvenir (Exp. Las Vegas).

*Sands.*—A. F. Martinez, Soham.

*Santa Clara.*—C. E. Moore, Espanola.

*Tesuque.*—C. K. Harriman, Santa Fe.

*Bandelier National Monument.*—D. E. Harbison, Santa Fe.

## DISTRICT 4.

### INTERMOUNTAIN DISTRICT.

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and northwestern Arizona. Office, Forest Service Building, Ogden, Utah.

R. H. RUTLEDGE, district forester.

PUBLIC RELATIONS.—F. S. Baker.

LAW.—Office of the solicitor (Forest Service branch). E. S. French, assistant to the solicitor.

FINANCE AND ACCOUNTS.—Homer A. Seip, chief of office and fiscal agent; A. C. Wycoff, district fiscal agent.



**OPERATION.**—Chas. D. Simpson, assistant district forester; John Raphael, minor roads, trails, and improvements; Thomas V. Pearson, administrative assistant.

**STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.**—Charles D. Simpson. I. H. Nash, State land commissioner, Boise, Idaho, collaborator.

**MAINTENANCE.**—W. B. Crites.

**FOREST MANAGEMENT.**—C. B. Morse, assistant district forester; S. S. Stewart, forest examiner.

**GRAZING.**—C. N. Woods, assistant district forester; Ernest Winkler, inspector of grazing.

**STUDIES.**—D. A. Shoemaker, grazing examiner; Fred P. Cronemiller, jr., and Thos. Lommasson, grazing assistants.

**LANDS.**—R. E. Gery, acting assistant district forester; S. B. Locke, forest examiner assistant.

**ENGINEERING.**—J. P. Martin, district engineer; F. J. Ryder, administrative assistant.

**MAPS AND SURVEYS.**—M. S. Wright.

**Drafting.**—C. D. Jackson.

**Entry Surveys.**—C. J. Truscott.

**ROADS.**—J. P. Martin; H. G. McPheters and R. A. Brown, assistants.

**WATER POWER.**—J. P. Martin.

## EXPERIMENT STATION.

**Great Basin, Manti National Forest.**—Arthur W. Sampson, plant ecologist, in charge; H. E. Malmsten, grazing examiner.

## NATIONAL FORESTS.

### ARIZONA.

**Kaibab.**—J. C. Roak, Kanab, Utah (WU—Exp. Marysville, Utah).

*Ranger District: Jacob Lake.*—James H. De Long, Kanab, Utah (Exp. Marysville, Utah).

*Big Springs.*—Benjamin Swapp, Kanab, Utah (Exp. Marysville, Utah).

### IDAHO.

**Boise.**—E. C. Shepard, Boise (WU), E. Grandjean, deputy supervisor; Mabel M. Sturgis, senior clerk.

*Ranger District: Long Gulch.*—John E. Irby, Lenox (Exp. Mountain Home).

*Cottonwood.*—Earl Templeton, Barber (Exp. Boise).

*Idaho City.*—Walter T. Berry, Idaho City (Exp. Boise).

*Atlanta.*—John D. Selby, Atlanta (Exp. Mountain Home).

*Lick Creek.*—Warren C. Taylor, Lowman (Exp. Banks).

*Pine.*—Irvin M. Varner, Pine (Exp. Mountain Home).



**Caribou.**—Earl C. Sanford, Montpelier (WU) ; Robert W. Strong, deputy supervisor ; Lucile C. Krogue, senior clerk.

*Ranger District: Snake River.*—Jess L. Bedwell, Antelope (Exp. Ririe).

*Grays Lake.*—Lewis C. Mathews, Wayan (Exp. Soda Springs).

*Freedom.*—Charles A. Spackman, Freedom, Wyo. (Exp. Montpelier).

*Auburn.*—James B. Bruce, Auburn, Wyo. (Exp. Montpelier).

*Soda Springs.*—Arthur Peterson, Soda Springs.

*Montpelier.*—Camas Nelson, Montpelier.

**Challis.**—David Laing, Challis (WU) ; Charles C. Shaw, ranger ; A. L. Moats, executive assistant.

*Ranger District: Challis.*—Willard Frost, Challis (Exp. Mackay).

*Clayton.*—John S. Malm, Clayton (Exp. Mackay).

*Loon Creek.*—Ned Foster, Stanley (Exp. Mackay).

*Stanley.*—Edgar P. Huffman, Stanley (Exp. Mackay).

**Idaho.**L. F. Watts, McCall (WU, P) ; A. A. Casner and W. C. McCormick, deputy supervisors ; F. L. Williams and C. A. Chitwood, rangers ; Mrs. G. Hoff, senior clerk.

*Ranger District: Roseberry.*—W. A. Estep, Roseberry (Exp. Donnelly).

*Meadows.*—F. E. Gray, McCall.

*Burgdorf.*—N. A. Nann, Burgdorf (Exp. McCall).

*Warren.*—C. T. Gray, Warren (Exp. McCall).

*South Fork.*—Lee Kesler, Warren (Exp. McCall).

*Chamberlain.*—Jesse Rutledge, Warren (Exp. McCall).

*Middle Fork.*———.

*Big Creek.*—L. O. Miles, Clover (Exp. McCall).

**Lemhi.**—C. F. Evans, Mackay (WU) ; Howard J. Stratford, senior clerk.

*Ranger District: Medicine Lodge.*—Spencer H. Lawson, Winsper (Exp. Dubois).

*Little Lost River.*—Robert B. Johnson, Mackay.

*Pahsimeroi.*—L. L. Hammer, May (Exp. Mackay).

*Antelope.*—J. L. Phillips, Grouse (Exp. Mackay).

*Wildhorse.*—Carrol C. Pelton, Mackay.

**Minidoka.**—R. D. Carver, Burley (WU) ; J. W. Stokes, supervisor ; T. G. Taylor and D. M. Rustay, forest assistants ; Evelyn Ferrin, senior clerk.

*Ranger District: Cassia West.*—C. E. Jensen, Rogerson.

*Cassia East.*—E. E. Stock, Oakley.

*Albion Mountain.*—H. L. Smith, Elba (Exp. Oakley).

*Raft River.*—J. H. Kroencke, Yost, Utah (Exp. Kelton, Utah).

*Black Pine.*—C. F. R. Boosinger, Strevell (Exp. Kelton, Utah).

*Sublett.*—Bert Mahoney, Sublett (Exp. Burley).

**Payette.**—Guy B. Mains, Emmett (WU) ; F. S. Moore, supervisor ; Francis Wallis, deputy supervisor ; Horace J. Burr, ranger ; A. P. Larson, senior clerk.

*Ranger District: West Mountain.*—Arthur Potter, Ola (Exp. Smiths Ferry).

*Garden Valley.*—Frank H. Miller, Garden Valley (Exp. Banks).

*Deadwood-Bear Valley.*—George E. Russell, Garden Valley (Exp. Banks).

*Long Valley.*—John D. Parker, Cascade.

*Penn Basin.*—DeWitt Russell, Cascade.

*Middle Fork Salmon.*—Graham E. McConnell, Cascade.

**Salmon.**—S. C. Scribner, Salmon (WU) ; E. R. Renner, deputy supervisor ; Francis X. Schumacher, ranger.

*Ranger District: Indianola.*—Carlton F. Clark, Northfork (Exp. Salmon).

*Hughes Creek.*—Thomas A. Jerrell, Northfork (Exp. Salmon).

*Salmon.*—R. E. Allan, Salmon.

*Forney.*—Allen H. Wheeler, Leesburg (Exp. Salmon).

*Lemhi.*—Clarence D. Huestis, Lemhi.

*Leadore.*—Don M. Casterlin, Leadore.

**Sawtooth.**—M. S. Benedict, Hailey (WU) ; Richard F. Bowman, senior clerk.

*Ranger District: Greenhorn.*—N. C. Jensen, Hailey.

*Flowers.*—A. R. Griffith, Ketchum.

*Pole Creek.*—W. H. Horton, Ketchum.

*Soldier.*—J. E. Minear, Fairfield.

*Shake Creek.*—A. T. Osborn, Featherville (Exp. Mountain Home).

**Targhee.**—S. W. Stoddard, St. Anthony (WU) ; David A. Arrivee and John N. Kinney, supervisors ; Theresa B. Harris, senior clerk.

*Ranger District: Spencer.*—Foster Steele, Spencer.

*Camas.*—K. C. Allan, Kilgore (Exp. Spencer).

*Big Springs.*—D. L. Enteman, Ashton.

*Hallie Park.*—Lemuel Steele, jr., deputy forest supervisor, Ashton.

*Porcupine.*—Ira Latham, Ashton.

*Rapid Creek.*—Ray Pickett, Driggs.

*Victor.*—Claud C. Shannon, Victor.

*Grandview.*—Francis Moss, Canyon Creek (Exp. Tetonla).

*Hawley Gulch.*—Arthur G. Nord, Heise (Exp. Rigby).

*Swan Valley.*—T. D. Cowan, Irwin.

**Weiser.**—W. B. Rice, Weiser (WU) ; O. W. Mink, deputy supervisor ; Irene A. Knight, clerk.

*Ranger District: Indian Valley.*—Robert E. Clabby, Indian Valley (Exp. Cambridge).

*Council.*—Elmer C. Ross, deputy supervisor, Council.

*Mann Creek.*—Willard A. McDowell, Weiser.

*Brownlee.*—Elmer E. McGinness, Cambridge.

*Hornet.*—Ethel H. Fears, Council.

*Bear.*—William J. Rafferty, Bear (Exp. Council).

## NEVADA.

**Humboldt.**—C. E. Favre, Elko (WU, P) ; Lewis B. Koch, deputy supervisor ; J. A. O'Connell, executive assistant.

*Ranger District: Independence.*—Charles E. Butler, Tuscarora (Exp. Elko).

*Mountain City.*—L. E. McKenzie, Mountain City (Exp. Elko).

*Gold Creek.*—C. D. Miller, Gold Creek (Exp. Elko).

*Jarbidge.*—Thos. J. Wells, Jarbidge (Exp. Rogerson).

*North Ruby.*—A. C. Rohwer, Arthur (Exp. Deeth).

*South Ruby.*—J. W. Mink, Jiggs (Exp. Elko).

*Paradise Valley.*—Paul L. Travis, Paradise Valley (Exp. Winnemucca).

*Quinn River.*—Blake A. Beatty, Rebel Creek (Exp. Winnemucca).

**Nevada.**—Alexander McQueen, Ely (WU) ; Lillian R. Jones, senior clerk.

*Ranger District: Baker.*—Graham S. Quate, Baker (Exp. Ely).

*Berry Creek.*—George E. Moore, McGill.

*Currant.*—Claude R. Townsend, Currant (Exp. Ely).

*Spring Valley.*—Lloyd Robison, Aurum (Exp. Ely).

**Toiyabe.**—J. W. McGowan, Austin (WU, P) ; C. M. Gwin, ranger.

*Ranger District: Manhattan.*—A. W. Showl, Manhattan (Exp. Austin).

*Potts.*—Roy A. Brown, Potts (Exp. Austin).

*Reese River.*—Edd. McConnell, Austin.

*Kingston.*—J. Wm. Griffith, Austin.

## UTAH.

**Ashley.**—Chas. DeMoisy, jr., Vernal (WU) ; June P. Allan, senior clerk.

*Ranger District: Manila.*—George W. Walkup, Manila (Exp. Carter, Wyo.).

*Vernal.*—Albert A. Hardy, Vernal.

*Dry Fork.*—H. O. Van Tassell, Vernal.

*Lonetree.*—Clyde Lambert, Lonetree, Wyo. (Exp. Carter, Wyo.).

*Whiterocks.*—Thomas R. Parry, Whiterocks (Exp. Price).

*Lake Fork.*—Albert E. Blood, Altonah (Exp. Price).

**Cache.**—Carl B. Arentson, Logan (WU) ; Walter M. Campbell ; Margaret E. Jensen, senior clerk.

*Ranger District: Logan River.*—H. I. Rice, deputy supervisor, Logan.

*Rich County.*—Vern A. Bird, Laketown (Exp. Paris, Idaho).

*High Creek.*—L. C. Smith, Smithfield.

*Bear Lake County.*—W. S. Averill, Paris, Idaho.

*Cub River.*—Leroy Lindsay, Minkcreek, Idaho (Exp. Preston, Idaho).

*Sherman Peak.*—F. O. Rowen, Soda Springs, Idaho.

*Pocatello.*—S. R. Justice, Pocatello, Idaho.

*Portneuf.*—W. H. Campbell, Bancroft, Idaho.

*Oxford and Elkhorn.*—Moses Christensen, Malad, Idaho.



**Dixie-Sevier.**—William M. Mace, Cedar City (WU) ; James O. Stewart, grazing assistant ; R. T. Forbes, senior clerk.

*Ranger District: Enterprise.*—Parley P. Peterson, Enterprise (Exp. Modena).

*Pine Valley.*—Samuel A. Macfarlane, Pine Valley (Exp. Modena).

*Leeds.*—Earl V. Storm, Leeds.

*Little Valley.*—William M. Hurst, Panguitch (Exp. Marysvale).

*Lowder.*—Keith A. Dodge, Cedar City (Exp. Lund).

*Harris Flat.*—Frank W. Seaman, Panguitch (Exp. Marysvale).

**Fishlake-Fillmore.**—C. A. Mattsson, Richfield (WU) ; James E. Gurr, deputy supervisor ; Milo H. Deming and Harley J. Helm, grazing assistants ; Allen C. Folster, senior clerk.

*Ranger District: Scipio.*—Bert L. Robins, Scipio (Exp. Juab).

*Fillmore.*—James Jensen, Fillmore (Exp. Oasis).

*Redview.*—H. M. Christensen, Richfield.

*Koosharem.*—James H. Baldwin, Monroe (Exp. Elsinore).

*Belknap.*—Rex N. Barnard, Sevier.

*Tushar.*—Blaine Betenson, Beaver (Exp. Milford).

*Gooseberry.*—John Barnard, Salina.

*Elkhorn.*—Albert Albertson, Loa (Exp. Sigurd).

*Fishlake.*—Chester Olsen, Koosharem (Exp. Sigurd).

*Mountain Ranch.*—Blaine Betenson, Salina.

*Big Flat.*—Wilford E. Tangren, Beaver (Exp. Milford).

**La Sal.**—Edmund B. Spencer, Moab (WU) ; Ethel M. Redd, senior clerk.

*Ranger District: Mesa.*—Lewis T. Quigley, deputy supervisor, Moab (Exp. Thompson).

*La Sal.*———, La Sal (Exp. Thompson).

*Monticello.*—Carroll J. Meador, Monticello (Exp. Thompson).

*Grayson.*—Marion P. Hunt, Blanding (Exp. Thompson) ; H. A. Tangren.

**Manti.**—J. W. Humphrey, Ephraim (WU) ; S. S. Van Boskirk, deputy supervisor ; Luella Christensen, senior clerk.

*Ranger District: Mount Baldy.*—Edward P. Cox, Manti.

*Clay Springs.*—D. H. Williams, Emery (Exp. Price).

*Seely Creek.*—Wells Thursby, Ephraim.

*Bear Creek.*—Byron A. Howard, Huntington (Exp. Price).

*Canyon View.*—Seth H. Ollerton, Mount Pleasant.

*Mammoth.*—Orange A. Olsen, Fairview.

*Joe's Valley.*—P. M. V. Anderson, Orangeville (Exp. Price).

**Powell-Sevier.**—George H. Barney, Widtsoe (WU) ; Addie G. Barney, senior clerk.

*Ranger District: Rabbit Valley.*—J. E. Hickman, jr., Teasdale (Exp. Salina).

*Escalante.*—Joseph J. Porter, Escalante (Exp. Marysvale).

*Johns Valley.*—Wallace H. Adair, Widtsoe (Exp. Marysvale).

*East Fork.*—Leland D. Heywood, Panguitch (Exp. Marysvale).

*Adams Head.*—Wilford Bentley, Panguitch (Exp. Marysvale).



**Uinta.**—W. W. Blakeslee, Provo (WU) ; Wallace M. Riddle, deputy supervisor ; Emma Evans, senior clerk.

*Ranger District: Duchesne.*—Fred O. Johnson, Duchesne.

*Springville.*—Parley C. Madsen, Springville.

*Soldier Summit.*—Charles H. Allred, Springville.

*Currant Creek.*— ———.

*Red Creek.*—Geo. C. Larson, Heber.

*Hanna.*—E. J. Adair, Hanna (Exp. Duchesne or Park City).

*Payson.*—Wm. L. Huff, Payson.

*Nephi.*—A. P. Christiansen, Nephi.

**Wasatch.**—Dana Parkinson, Salt Lake City (WU, P) ; Walter G. Mann, supervisor ; La Rue Greenig, senior clerk.

*Ranger District: Big Cottonwood.*—George A. Green, jr., Sandy (Exp. Midvale).

*Pleasant Grove.*—Vivian N. West, Pleasant Grove.

*Salt Lake.*—William W. Smith, Murray.

*Kamas.*—Morgan Parke, Kamas (Exp. Park City).

*Blacks Fork.*—Charles H. McDonald, Kamas (Exp. Park City).

#### WYOMING.

**Teton.**—A. C. McCain, Jackson (WU) ; John A. Evans, roads construction and maintenance ; E. P. Ellis, senior clerk.

*Ranger District: Buffalo.*—Richard H. Ohl, Moran (Exp. Victor, Idaho).

*Black Rock.*—Rudolph Rosencrans, Moran (Exp. Victor, Idaho).

*Faler.*—Roy Conner, Daniels (Exp. Opal).

*Horsetail.*—Bruce L. Coulter, Kelly (Exp. Victor, Idaho).

*Goosewing.*—Bruce L. Coulter, Kelly (Exp. Victor, Idaho).

*Jackson.*—Felix Buchenroth, Jackson (Exp. Victor, Idaho).

*Bryon Flat.*—William H. McKahan, Jackson (Exp. Victor, Idaho).

*Lec.*—Charles S. Horel, Teton (Exp. Victor, Idaho).

*Stewart.*—Earle W. Harris, Wilson (Exp. Victor, Idaho).

**Wyoming-Bridger.**—Charles A. Beam, Kemmerer (WU) ; Ernest E. McKee, deputy supervisor ; Archie Leroy Gibson, forest assistant.

*Ranger District: Kelly.*—George H. Dunn, Cokeville.

*Snyder Basin.*—Fred Graham, Big Piney (Exp. Opal).

*Sherman.*—Albert A. David, Merna (Exp. Opal).

*Afton.*—John W. Davis, Afton (Exp. Montpelier, Idaho).

*Smoot.*—James T. Moffat, Smoot (Exp. Montpelier, Idaho).

*Kendall.*—Harry A. Cheeseman, Kendall (Exp. Rock Springs).

*Willow Creek.*—Chauncey J. Terry, Cora (Exp. Rock Springs).

*Fremont.*—Edmond V. Cockins, Pinedale (Exp. Rock Springs).

*Dutch Joe.*—Martin Murphy, Big Sandy (Exp. Rock Springs).

*Tic Sale.*—Chas. E. Brackett and Thomas E. Murray, rangers, Kemmerer (Exp. Opal).

## DISTRICT 5.

## CALIFORNIA DISTRICT.

California and southwestern Nevada. Office, Ferry Building, San Francisco, Calif.

PAUL G. REDINGTON, district forester.

LAW.—Office of the Solicitor (Forest Service branch). H. P. Dechant, assistant to the solicitor.

FINANCE AND ACCOUNTS.—A. W. Smith, chief of office and fiscal agent; P. A. Tucker, district fiscal agent.

OPERATION.—Robert L. Deering, assistant district forester; L. W. Hess, national forest inspector, executive assistant.

PERSONNEL AND INSPECTION.—Paul P. Pitchlynn, national forest examiner.

FIRE.—E. I. Kotok, forest examiner.

STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—E. I. Kotok.

LAW ENFORCEMENT.—C. V. Brereton, national forest examiner.

MAINTENANCE.—E. H. Schmieder.

Minor Roads, Trails, and Improvements.—S. W. Wynne, W. A. Huestis.

TELEPHONE ENGINEERING.—F. H. Hafley, telephone engineer.

FOREST MANAGEMENT.—T. D. Woodbury, assistant district forester.

LOGGING ENGINEERING.—J. H. Price.

TIMBER SALES.—J. C. Elliott, lumberman.

TIMBER SURVEYS.—O. M. Evans, forest examiner.

FOREST PATHOLOGY (Bureau of Plant Industry).—E. P. Meinecke, consulting pathologist; H. G. Lachmund, Charles D. Meissner, and Willis W. Wagener, assistants; Frank Saltzman, superintendent, Experiment Station.

GRAZING.—Jesse W. Nelson, assistant district forester.

STUDIES.—R. R. Hill, grazing examiner.

LANDS.—L. A. Barrett, assistant district forester; George Miller, national forest examiner.

MINERAL EXAMINATION, LAND CLASSIFICATION, and ENTRY SURVEYS.—W. H. Friedhoff, mineral examiner.

RESEARCH.—S. E. Show and Duncan Dunning, forest examiners; Edward N. Munns, collaborator.

FOREST PRODUCTS.—C. L. Hill, forest examiner; M. R. Tillitson, national forest examiner, lumber census; Carl A. Kupfer, collaborator.

ENGINEERING.—F. H. Fowler, district engineer; J. C. Dort, assistant district engineer.

MAPS AND SURVEYS.—S. N. Stoner.

Drafting.—H. A. Sedelmeyer.

ROADS.—F. H. Fowler, J. C. Dort, F. D. Bowlus

WATER POWER.—F. H. Fowler, J. C. Mulder, S. H. Ketcham.

PUBLIC RELATIONS.—E. I. Kotok, Paul J. Fair, exhibits.

## NATIONAL FORESTS.

## CALIFORNIA.

**Angeles.**—R. H. Charlton, Los Angeles (WU, P) ; Earl V. Lackey, executive assistant.

*Ranger District: Pasadena.*—Thomas W. Sloan, deputy supervisor, Pasadena. Arroyo Seco Division: A. J. Mueller, Pasadena. Glendora Division: I. Kiermeyer, Glendora. Monrovia Division: F. H. Hayward, Sierra Madre. San Antonio Division: A. T. Shay, Upland. San Dimas Division: E. L. Buxton, San Dimas. San Fernando Division: Geo. H. Moore San Fernando. San Gabriel Division: Ray McCormick, Azusa. Valyermo Division: L. H. Dorr, Valyermo. West Fork Division: F. H. Hayward, Sierra Madre.

*Ranger District: San Bernardino.*—Fred J. Jeken, deputy supervisor, San Bernardino; John H. B. Allen, ranger. Banning Division: C. A. Morris, Banning. Big Bear Division: L. H. Anderson, Pine Knot. Burnt Mill Division: B. W. Switzer, Little Bear Lake. Cajon Division: Harry F. Burbank, Cajon. Lytle Creek Division: J. H. Hayden, Glenn Ranch. Mill Creek Division: J. H. Sanborn, Mentone. San Bernardino Division: ———, Del Rosa. Skyland Division: R. M. Tuttle, Crestline.

**California.**—J. D. Coffman, Willows (WU) ; William F. Derby, deputy supervisor; Robert J. Settles, executive assistant.

*Ranger District: Covelo.*—Douglas Robinson, Covelo (Exp. Dos Rios) ; E. V. Patterson, ranger.

*Paskenta.*—M. W. Durham, Paskenta (Exp. Corning) ; Paul E. Chesebro, ranger.

*Stonyford.*—R. G. Stites, Stonyford (Exp. Fruto).

*Upper Lake.*—G. E. Squires, Upper Lake (Exp. Ukiah).

**Cleveland.**—S. A. Boulden, San Diego (WU) ; Anna B. Stephens, senior clerk.

*Ranger District: Descanso.*—H. I. Snider, Descanso (Exp. San Diego),

*Palomar.*—J. B. Stephenson, Aguanga (Exp. Hemet).

*San Jacinto.*—C. R. C. Reindorp, Hemet.

*Trabuco.*—A. J. Berg, Corona.

**Eldorado.**—E. F. Smith, Placerville (WU) ; Margaret Lyon, senior clerk.

*Ranger District: Caldor.*—A. W. Hughes, Diamond Springs.

*Georgetown.*—R. C. Berriman, Georgetown (Exp. Placerville).

*Pacific.*—M. D. Morris, Camino (Exp. Placerville).

**Inyo.**—Thos. J. Jones, Bishop (WU) ; John S. Barnes, forest assistant; Leon J. Cranston, ranger; H. H. Simpson, ranger, range appraisal; Julia Greff, senior clerk.

*Ranger District: Big Pine.*—Wesley E. Hotelling, Big Pine.

*Mammoth.*—Guy S. Way, Bishop.

*Mount Whitney.*—E. E. Cuff, Lone Pine.

*White Mountain.*—Chas. H. Simson, Bishop.



**Klamath.**—T. C. West, Yreka (WU) ; Billie I. Shannon, deputy supervisor ; Harry R. Saxton, forest assistant ; John R. Berry, scaler ; Rollin A. Fairchild, senior clerk.

*Ranger District: Happy Camp.*—E. M. Sutcliffe, Happy Camp (Exp. Hornbrook).

*Orleans.*—E. P. Hickey, Orleans (Exp. Eureka).

*Salmon River.*—V. V. McReynolds, Sawyers Bar (Exp. Yreka).

*Scott Bar.*—C. W. Sutcliffe, Scott Bar (Exp. Yreka).

*Yreka.*—Perry J. Hill, Yreka ; Wm. H. R. Nostrand, ranger.

**Lassen.**—C. E. Dunston, Mineral (WU) ; J. E. Elliott, deputy supervisor ; A. E. Weislander, forest examiner ; V. S. Brown, lumberman ; LeRoy Edson, senior clerk.

*Ranger District: Bogard.*—W. H. McKinnon, Westwood.

*Coppervale.*—C. F. Conrad, Westwood.

*Hat Creek.*—W. J. Jones, Burney (Exp. Redding).

*Magalia.*—W. L. Slater, Magalia ; W. H. McKinnon, ranger.

*Mineral.*—W. S. Williams, Mineral (Exp. Red Bluff).

**Modoc.**—W. G. Durbin, Alturas (WU) ; Leland S. Smith, grazing examiner ; Wm. S. Brown, executive assistant.

*Ranger District: Big Valley.*—A. W. Bramhall, Adin (Exp. Alturas).

*Doublehead.*—Harry Garrison, Malin, Oregon (Exp. Klamath Falls, Oreg.).

*Devils Garden.*—J. C. Davis, Alturas.

*Happy Camp.*—Ivan A. Cuff, Canby (Exp. Alturas) ; James S. Cherry, ranger.

*North Warners.*—L. L. Smith, Willow Ranch.

*South Warners.*—Ben L. Johnson, Cedarville (Exp. Alturas).

**Plumas.**—D. N. Rogers, Quincy (WU) ; Geo. R. Orr, lumberman ; John S. Everitt and W. E. Jotter, forest assistants ; Richard L. Wiley, executive assistant.

*Ranger District: Beekwith.*—A. E. Gould, Blairsden.

*Greenville.*—H. F. Wilcox, Greenville (Exp. Crescent Mills).

*La Porte.*—Wm. Hayes, La Porte (Exp. Oroville).

*Merrimac.*—Fred E. McMurphy, Merrimac (Exp. Oroville).

*Milford.*—C. R. Mainwaring, Milford (Exp. Doyle).

*Quincy.*—H. A. Kloppenburg, Quincy.

*Yellow Creek.*—W. C. Bader, Chester (Exp. Crescent Mills).

**Santa Barbara.**—C. E. Jordan, Santa Barbara (WU, P) ; Wm. V. Mendenhall, deputy supervisor ; H. H. Hunt, range appraisal ; Clarence Wiley, executive assistant.

*Ranger District: Coast and Santa Ynez.*—D. D. Harkness, Santa Barbara.

*San Luis.*—Stephen J. Rhyne, Arroyo Grande.

*Zaca.*—J. L. Libeu, Los Olivos.

*Cuyama.*—Jacinto D. Reyes, Scheideck (Exp. Maricopa).

*Monterey.*—Clarence A. Chamberlain, King City.

*Ojai.*—Edw. B. Hamilton, Ojai.

*Saugus.*—Joseph Hanf, Newhall.

*Tejon.*—V. C. DeLapp, Gorman (Exp. Lancaster).



- Sequoia.**—F. P. Cunningham, Porterville (WU, P) ; Lee Slinkard, ranger ; H. L. Phelps, senior clerk.
- Ranger District: Breckenridge.*—Westley H. Rhodehamel, Caliente.
- Cannell Meadow.*—Ray Stevenson, Isabella (Exp. Caliente).
- Deer Creek.*—W. J. Brown, Hot Springs (Exp. Ducor) ; Joseph P. Lang, ranger.
- Greenhorn.*—Robert J. Beard, Glenville (Exp. Bakersfield).
- Kings Canyon.*—A. R. Lackey, Badger (Exp. Cutler) ; Roswell L. Tibbetts, ranger.
- Tule River.*—Wesley Snider, Springville.
- Shasta.**—J. R. Hall, Sisson (WU, P) ; Belknap C. Goldsmith, forest examiner ; L. N. Lorenzen, grazing examiner ; Millard M. Barnum, forest assistant ; F. C. Porter, senior clerk.
- Ranger District: McCloud.*—L. E. Overmeyer, McCloud.
- Pitt.*—Frank Myers, Cayton (Exp. Bartle).
- Sacramento.*—Leslie T. Solaro, Sisson.
- Scott.*—F. H. Williams, Callahan (Exp. Gazelle).
- Squaw Creek.*—C. J. Johnson, Winthrop (Exp. Bully Hill).
- Trinity.*—A. E. Noren, Trinity Center (Exp. Redding).
- Sierra.**—M. A. Benedict, Northfork (WU) ; Burnett Sanford, forest assistant ; Roy Boothe and John M. Hughes, rangers ; Mrs. Julia T. Shinn, senior clerk.
- Ranger District: Big Creek.*—C. K. Barker, Big Creek (Exp. Cascada).
- Kings River.*—Isaac R. Bays, Pineridge (Exp. Cascada).
- Mariposa.*—Malcolm McLeod, Usona (Exp. Merced).
- Northfork.*—Audie K. Wofford, Northfork (Exp. Fresno) ; John W. Calvert, jr., George M. Gowen, and E. S. Mainwaring, rangers.
- Pineridge.*—Frank Price, Auberry.
- Stanislaus.**—J. V. Wulff, Sonora (WU) ; J. R. Berry, lumberman ; M. R. Brundage, forest assistant ; Lucile Weaver, senior clerk.
- Ranger District: American Camp.*—P. Y. Lewis, Columbia (Exp. Sonora).
- Calaveras.*—C. L. Boothe, Murphy (Exp. Angeles Camp) ; C. D. Merrill, ranger.
- Center Camp.*—B. F. Tyler, Confidence (Exp. Sonora).
- Riverside.*—A. E. Freer, Tuolumne.
- Tuolumne.*—R. L. Kloppenburg, Groveland (Exp. Chinese Camp).
- Tahoe.**—R. L. P. Bigelow, Nevada City (WU) ; George W. Lyons, forest examiner ; Fred J. Dooley, lumberman ; E. P. Gleason and Lawson H. Brainerd, rangers ; Wm. M. Gracey, executive assistant.
- Ranger District: Camptonville.*—C. E. Whittum, Camptonville (Exp. Nevada City).
- Downieville.*—George E. King, Goodyears Bar (Exp. Nevada City).
- Emigrant Gap.*—C. F. Hurst, Cisco.
- Foresthill.*—F. A. Land, Foresthill (Exp. Colfax).
- North Bloomfield.*—Carl T. Larsen, North Bloomfield (Exp. Nevada City).
- Sierraville.*—J. A. McIntosh, Sierraville (Exp. Loyalton).
- Truckee.*—Lee R. DeCamp, Truckee.

**Trinity.**—B. H. Mace, Weaverville (WU) ; John T. Gray, deputy supervisor ; Nellie M. Hennessy, senior clerk.

*Ranger District: Hayfork and Hyampom.*—Harry Everest, Hayfork (Exp. Weaverville).

*Lower Trinity.*—F. A. Graham, Willow Creek (Exp. Korbel).

*Upper Trinity.*—W. C. Graham, Weaverville ; Jas. N. McKnight, ranger, Big Bar.

*Mad River.*—Iles McNeill, Ruth (Exp. Carlotta).

*Yola Bola.*—Alva Tracy, Knob (Exp. Weaverville).

#### NEVADA.

**Mono.**—Wm. M. Maule, Minden (WU) ; Hans R. Jepsen, senior clerk.

*Ranger District: Alpine.*—W. J. Clark, Markleville, Calif. (Exp. Minden).

*Bridgeport.*—H. W. Atcheson, Bridgeport, Calif. (Exp. Minden).

*Mono Lake.*—W. E. Green, Mono Lake, Calif. (Exp. Minden).

*Sweetwater.*—C. E. Johnson, Sweetwater (Exp. Minden).

## DISTRICT 6.

### NORTH PACIFIC DISTRICT.

Washington and Oregon. Office, Post Office Building, Portland, Oreg.

GEO. H. CECIL, district forester.

PUBLIC RELATIONS.—John D. Guthrie.

LAW.—Office of the Solicitor (Forest Service branch). W. F. Staley, assistant to the solicitor.

FINANCE AND ACCOUNTS.—A. H. Cousins, chief of office and fiscal agent ; H. J. Weil, district fiscal agent.

OPERATION.—A. O. Waha, assistant district forester ; Shirley Buck, national forest inspector.

FIRE PROTECTION.—W. B. Osborne, jr., forest examiner.

IMPROVEMENT.—F. H. Brundage, K. P. Cecil.

TELEPHONE ENGINEERING.—C. M. Allen, telephone engineer.

LAW ENFORCEMENT.—T. M. Talbott, national forest examiner.

INSPECTION OF PROTECTION OF OREGON & CALIFORNIA RAILROAD LANDS.—R. H. Chapler, forest examiner.

STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—R. H. Chapler, national forest examiner.

MAINTENANCE.—H. G. Whitney. District warehouse: R. M. Filloon.

FOREST MANAGEMENT.—Fred Ames, assistant district forester.

TIMBER SALES.—Thornton T. Munger, forest examiner.

LOGGING ENGINEERING.—Bruce E. Hoffman, logging engineer ; Geo. L. Drake, forest examiner.

CHECK SCALING.— ———.

**TIMBER SURVEYS AND WORKING PLANS.**—E. J. Hanzlik, C. J. Conover, and George A. Bright, forest examiners; F. W. Furst, forest assistant.

**INSECT CONTROL.**—A. J. Jaenicke, forest examiner.

**FOREST PATHOLOGY** (Bureau of Plant Industry).—John S. Boyce, consulting pathologist.

**PLANTING AND FOREST INVESTIGATIONS.**—F. J. Kümmel and W. H. Leve, forest examiners.

• **GRAZING.**—E. N. Kavanagh, assistant district forester; J. L. Peterson, inspector of grazing.

**STUDIES.**—D. C. Ingram, grazing examiner.

**LANDS.**—C. J. Buck, assistant district forester; F. W. Cleator, forest supervisor.

**CLAIMS.**—W. M. H. Woodward, mineral examiner.

**LAND EXCHANGES.**—Ryle Teed, national forest examiner.

**ENGINEERING.**—Philip H. Dater, district engineer; George W. Root, assistant district engineer.

**MAPS AND SURVEYS.**—A. H. Hodgson.

**Entry Surveys.**—George W. Root, E. R. Johnson.

**ROADS.**—Philip H. Dater, George W. Root, Cecil A. Lord, E. R. Johnson.

**WATER POWER.**—Philip H. Dater.

**PRODUCTS.**—W. H. Gibbons and C. W. Gould, forest examiners, Portland; C. W. Zimmerman and H. C. Stinson, engineer and assistant engineer in forest products, Seattle.

## NATIONAL FORESTS.

### OREGON.

**Cascade.**—N. F. Macduff, Eugene (WU, P); Harvey E. Vincent, deputy supervisor; E. H. Hall, forest examiner; A. T. Moses, senior clerk.

*Ranger District: McKenzie Bridge.*—S. L. Taylor, deputy supervisor; McKenzie Bridge.

*West Boundary.*—C. B. McFarland, Landax.

*Oakridge.*—Roy Parks, Oakridge; L. O. Blodgett.

• **Crater.**—H. B. Rankin, Medford (WU, P); H. M. Johnson, forest examiner; E. V. Cook, senior clerk.

*Ranger District: Rouge River.*—W. L. Jones, Medford.

*Butte Falls.*—A. T. Poole, Butte Falls.

*Dead Indian.*—E. C. Peachey, Medford.

*Applegate.*—Lee C. Port, Jacksonville.

*Klamath.*—E. J. Rogers, Fort Klamath.

*Timber Sale.*—F. A. Matz, lumberman; J. D. Holst, G. H. West, and B. A. Nason, scalers; R. U. Chambers and J. E. Gribble, rangers.

**Deschutes.**—H. L. Plumb, Bend (WU, P); W. O. Harriman, deputy supervisor; F. V. Horton, grazing examiner; A. E. Estes, ranger; J. W. Collette, senior clerk.

*Ranger District: Sisters.*—P. A. South, Sisters.

*La Pine.*—Roy Mitchel, La Pine.

*Crescent.*—G. A. Howard, Crescent.

*Fort Rock.*—Ben Smith, Fort Rock.



**Fremont.**—Gilbert D. Brown, Lakeview (WU, P); Lawrence Frizzell, administrative assistant; Helen M. Minthorn, senior clerk.

*Ranger District: Warner.*—P. V. Ingram, Lakeview.

*Dog Lake.*—J. G. C. Elgan, Lakeview.

*Bly.*—N. C. White, Lakeview.

*Paisley.*—Ben Young, Paisley.

*Silver Lake.*—W. A. LaSater, Silver Lake.

**Malheur.**—C. C. Reid, John Day (WU), P. A. Thompson, fire assistant; M. F. Hennen, senior clerk.

*Ranger District: Crane Prairie.*—T. M. Ray, Prairie City.

*Drewsey.*—H. R. Elliott, Drewsey.

*Crow Flat.*—S. R. Bennett, Burns.

*Bear Valley.*—J. B. McEntire, Logdell.

*John Day.*—H. S. Albertson, Canyon City.

*Hyin.*—F. V. Bradford, Long Creek.

**Ochoco.**—V. V. Harpham, Prineville (WU, PT. & T); W. A. Donnelly, administrative assistant; Hattie Goodknight, senior clerk.

*Ranger District: Beaver-Maury.*—C. S. Congleton, Paulina.

*Mill Creek.*—J. O. F. Anderson, Prineville.

*Pisgah.*—G. C. Blake, Mitchell.

*Antone.*—Ralph Elder, Antone.

*Snow Mountain.*—E. W. Donnelly, Suplee.

**Oregon.**—T. H. Sherrard, Portland (WU, P); H. D. Foster, deputy supervisor; A. G. Jackson, forest examiner; M. V. Livingston, senior clerk.

*Ranger District: Hood River.*—S. C. Walters, Mount Hood.

*Columbia.*—M. J. Brown, Cascade Locks.

*Bull Run.*—C. L. Henson, Welches; T. R. Brown.

*Summit.*—John A. Calverly, Rhododendron.

*White River.*—C. C. Hon, Dufur.

*Clackamas.*—Joe A. Graham, deputy supervisor, Wapinitia.

*Collawash.*—R. T. Carter, Estacada.

*Eagle Creek Camp Grounds.*—Albert Wiesendanger, Cascade Locks.

*Timber Sale.*—R. E. Smith, Dee.

**Santiam.**—C. C. Hall, Albany (WU, P); Ivy Boeck, senior clerk.

*Ranger District: Detroit.*—H. G. White, Detroit.

*Cascadia.*—R. A. Elliott, Cascadia; J. A. Thayer.

*Timber Sale.*—F. W. Stahlman, Detroit.

**Siskiyou.**—E. H. MacDaniels, Grants Pass (WU, P); H. E. Haefner, forest examiner; J. F. Campbell, administrative assistant; F. I. Abrams, senior clerk.

*Ranger District: Port Orford.*—L. R. Woods, Port Orford.

*Agness.*—Lloyd G. Lyman, Agness.

*Galice.*—J. P. DeWitt, Merlin.

*Page Creek.*—M. M. Lewis, Takilma.

*Chetco.*—A. F. VanDeventer, Smith River, Calif.

*Gasquet.*—G. S. Case, Waldo.

*Timber Sale.*—S. A. Moore, Powers; J. P. Farnham, Brookings.



**Siuslaw.**—Ralph S. Shelley, Eugene (WU, P) ; A. R. Wilcox, forest examiner ; Mildred G. Sinnott, senior clerk.

*Ranger District: Hebo.*—L. E. Garwood, Hebo.

*Waldport.*—M. S. Durbin, Waldport.

*Florence.*—P. N. Stephenson, Florence.

*Gardiner.*—D. G. Knox, Gardiner.

*Mapleton.*—E. S. Kerby, Mapleton.

**Umatilla.**—John C. Kuhns, Pendleton (WU, P) ; R. A. Bottcher, deputy supervisor ; Robert W. Thomas, senior clerk.

*Ranger District: Asotin.*—Albert Baker, Pomeroy, Wash.

*Touchet.*—W. H. Kendall, Dayton, Wash.

*Walla Walla.*—C. L. Keithley, Walla Walla, Wash.

*Grande Ronde.*—F. W. Kendall, La Grande.

*Spray.*—Chas. F. Groom, Monument.

*Gurdane.*—S. R. Woods, Gurdane.

*Ukiah.*—W. W. Allison, Ukiah.

*Albec.*—G. W. Clisby, Pilot Rock.

**Umpqua.**—Carl B. Neal, Roseburg (WU, P) ; George Bonebrake, deputy supervisor ; W. C. Keyes, executive assistant.

*Ranger District: Bohemia.*—E. S. Holderman, Disston.

*North Umpqua.*—Fred Asam, Glide ; Walter Sackman.

*South Umpqua.*—H. U. Cochran, Tiller.

*Diamond Lake.*—O. C. Houser, Roseburg.

*Timber Sale.*—C. W. Jackson, Disston.

**Wallowa.**—Nelson J. Billings, Wallowa (WU) ; G. E. Stevenson, lumberman ; C. H. Thorp, executive assistant.

*Ranger District: Bear Creek.*———, Wallowa.

*Joseph.*—J. F. McClain, Joseph.

*Imnaha.*—W. G. Miller.

*Snake River.*———, Imnaha.

*Chesnimnus.*—R. H. Harper, Chico.

*Sled Springs.*—L. A. Carpenter, Wallowa.

*Timber Sale.*—Scott Greah and G. L. Smith, rangers.

**Whitman.**—W. F. Ramsdell, Baker (WU) ; I. E. Jones, J. F. Irwin, and Otto Zimmerli, supervisors ; C. W. Waterbury, lumberman ; Walt. L. Dutton, grazing examiner.

*Ranger District: Sumpter.*—Rolland Huff, Sumpter.

*North Powder.*—A. G. Angell, North Powder.

*Desolation.*—Geo. O. Langdon, Ukiah.

*Austin.*—Dan W. Fisk, Austin.

*Burnt River.*—Lloyd M. Judy, Unity.

*Pine.*—W. D. Foreman, Halfway.

*Eagle.*—Clyde O. Bloom, Medical Springs.

*Grande Ronde.*—Paul M. Ellis, Cove.

## WASHINGTON.

**Chelan.**—P. T. Harris, Okanogan (PT & T, WU) ; G. E. Mitchell, supervisor ; L. A. Isaac, forest assistant ; W. A. Steiner, senior clerk.

*Ranger District: Loomis.*—W. H. Price, Loomis.

*Conconully.*—R. B. Pierpont, Conconully.

*Sweat Creek.*—W. F. Burge, Okanogan.

*Squaw Creek.*—F. F. Wehmeyer, Pateros.

*Alder Creek.*—R. E. Grantham, Twisp.

*Eight Mile.*—A. R. Tyler, Winthrop.

*Stehekin.*—Geo. R. Wright, Stehekin.

*Chelan.*—J. G. Burghardt, Chelan.

**Columbia.**—A. H. Wright, Portland, Oreg. (WU, P) ; H. M. White, national forest inspector ; W. L. Priest, senior clerk. Wind River Nursery, W. F. Will, ranger, Carson.

*Ranger District: Mount Adams.*—J. M. Mann, Guler.

*Wind River.*—C. W. Welty, Carson.

*Spirit Lake.*—H. A. Welty, St. Helens.

*Timber Sale.*—James Huffman, Yacolt, and Eilert Skaar, Stabler, rangers.

**Colville.**—Lawrence B. Pagter, Republic (WU, P) ; W. J. Sproat, forest examiner ; E. H. Wheeler, administrative assistant ; T. F. Barrett, executive assistant.

*Ranger District: Marcus.*—A. W. Eastman, Marcus.

*Danville.*—Arthur Radigan, Danville.

*Republic.*—L. L. Hougland, Republic.

*Orient.*— ———, Orient.

*Chesaw.*—R. E. Foote, Chesaw.

**Olympic.**—R. L. Fromme, Olympia (WU, P) ; O. F. Erickson, supervisor ; F. B. Myers, forest assistant ; J. H. Billingslea, administrative assistant ; Clarence M. Adams, executive assistant.

*Ranger District: Port Angeles.*—Chris. Morgeuroth, deputy supervisor, Port Angeles.

*Quilcene.*—Joseph W. Fulton, Quilcene.

*Hoodsport.*—R. A. Hilligoss, Hoodsport.

*Quinault.*—D. G. Hartsuck, Olsen.

*Timber Sale.*—E. H. McArdle, scaler, Brinnon ; John D. Ahl, ranger, Eldon.

**Rainier.**—G. F. Allen, Tacoma (WU, P) ; E. J. Fenby and Geo. E. Griffith, deputy supervisors ; A. A. Griffin, forest examiner.

*Ranger District: Lower Cowlitz.*—John Kirkpatrick, Randle.

*Upper Cowlitz.*—William Sethe, Lewis.

*Nisqually.*—Jules Hagon, Mineral.

*Carbon.*—R. J. O'Farrell, scaler, Fairfax.

*White River.*—Arnold Arneson, Enumclaw.

*Naches.*—H. Croxford, Nile.

*Tieton.*—Mark Brunn, Naches.

*Timber Sale.*—W. F. Lessenger, Naches.

**Snoqualmie.**—W. G. Weigle, Seattle (WU, P) ; Lewis A. Treen, jr., supervisor ; Frank B. Kellogg, forest examiner ; E. E. Whitaker, senior clerk.

*Ranger District: Darrington.*—J. R. Bruckart, Darrington.

*Silverton.*— ———, Silverton.

*Skykomish.*—Geo. E. Sawyer, Skykomish.

*Lester.*—J. W. Lundin, Lester.

*Timber Sale.*—L. D. Hurt, scaler, Snohomish.

**Washington.**—C. H. Park, Bellingham (WU, P) ; R. L. Campbell, supervisor.

*Ranger District: North Fork Nooksack.*—G. C. Burch, Glacier.

*Baker River.*—Chas. M. Bagnell, Concrete.

*Finney Creek-Suiattle.*—Dick Sullivan, Sauk.

*Skagit River.*—Thomas Thompson, deputy supervisor, Marblemount.

*Timber Sale.*—Roger J. Whaite, ranger.

**Wenatchee.**—A. H. Sylvester, Wenatchee (WU) ; F. B. Lenzie, grazing examiner ; E. L. Springer, executive assistant.

*Ranger District: Lake Wenatchee.*—R. E. Nickles, Winton.

*Chiwaukum.*—Oscar F. Bergman, Winton.

*Leavenworth.*—John S. Brender, Leavenworth.

*Cashmere.*—Lee F. Chartrand, Cashmere.

*Liberty.*—S. A. Blankenship, Cle Elum.

*Easton.*—H. C. Blankenship, Easton.

*Entiat.*—James McKenzie, Entiat.

*Timber Sale.*—F. A. Varo, scaler, Leavenworth.

## DISTRICT 7.

### EASTERN DISTRICT.

Alabama, Arkansas, Florida, Georgia, Maine, New Hampshire, North Carolina, Oklahoma, Pennsylvania, Porto Rico, South Carolina, Tennessee, Virginia, West Virginia. Office, Atlantic Building, Washington, D. C.

F. W. REED, district forester.

PUBLIC RELATIONS.—James E. Scott.

FINANCE AND ACCOUNTS.—M. E. Fagan, chief of office and district fiscal agent.

OPERATION.—H. O. Stabler, assistant district forester.

ENGINEERING.—John W. Fox, district engineer.

FOREST MANAGEMENT.—R. M. Evans, assistant district forester.

TIMBER SURVEYS AND MANAGEMENT PLANS.—Arnold C. Shaw, forest examiner ; J. B. Merrill and John Wasilik, jr., forest assistants.

GRAZING.—C. G. Smith, assistant district forester.

LANDS.—C. G. Smith, assistant district forester ; E. D. Fletcher, national forest examiner.

ACQUISITION.—Rudolph Dieffenbach, forest inspector.

Law.—A. H. McConville, attorney, office of the Solicitor, Washington, D. C. Title attorneys and special assistants to the United States attor-



neys: M. B. Stickley, Washington, D. C.; W. L. Newman, Woodstock, Va.; John C. Forney, Moulton, Ala. Title attorneys: George E. Taylor, Bristol, Tenn.; Alfred S. Grigg and H. A. Lamprey, Elkins, W. Va.; Julius C. Fletcher, Lenoir, N. C.; John Awtrey, Clayton, Ga.; Pierce R. Massie, Lynchburg, Va.; John W. Van Hoy, Mena, Ark.

## NATIONAL FORESTS.

### ALABAMA.

**Alabama.**—Burley M. Lufburrow, acting supervisor, Moulton (WU).

*Ranger District: Alabama.*—H. J. McDowell, Moulton.

### ARKANSAS.

**Arkansas.**—Charles A. Plymale, Hot Springs (WU); W. E. White, forest examiner; J. A. Bateman, national forest examiner.

*Ranger District: Womble.*—Abner Casey, Womble.

*Jessieville.*—George Howell, Jessieville (Exp. Hot Springs).

*Umphers.*—Charles Christian, Rover (Exp. Plainview).

*Cold Springs.*—George W. Casey, Cardiff (Exp. Waldron).

*Oden.*—T. E. Hale, Oden (Exp. Womble).

*Eagleton.*—S. C. Payne, Rich Mountain.

*Shady.*—Guy Cox, Shady (Exp. Mena).

**Ozark.**—K. E. Kimball, Russellville (WU); Ben F. Vaughan, national forest examiner, minor roads and trails; William P. Dale, national forest examiner.

*Ranger District: Sylamore.*—Hugh R. Moore, Mountain View (Exp. Sylamore).

*Bayou.*—James M. Wait, Okay (Exp. Atkins).

*Pleasant Hill.*—J. W. McPherson, Lurton (Exp. Russellville).

*Piney.*—James A. Mason, Fort Douglas (Exp. Clarksville).

*White Rock.*—Charles W. Fritts, Cass (Exp. Ozark).

### FLORIDA.

**Florida.**—W. F. Hill, Pensacola (WU, P).

*Ranger District: Camp Pinchot.*—E. R. McKee, deputy supervisor, Valparaiso (Exp. Crestview).

*East Bay.*—Otis B. Fort, Holly.

*Mossyhead.*—J. E. Clark, Mossyhead.

*Bayon.*—G. B. Anchors, Valparaiso (Exp. Crestview).

*Ocala.*—C. H. Rogers, deputy supervisor, Lynne (Exp. Ocala).

### NEW HAMPSHIRE.

**White Mountain.**—J. J. Fritz, Gorham (WU, P); H. R. Currier, deputy supervisor.

*Ranger District: Gorham.*———, Gorham.

*Twin Mountain.*—Truman E. Hale, Pierce Bridge.

*Kilkenny.*—Walter E. Chatfield, guard, Gorham.

*Bartlett.*—C. E. Beals, jr., Bartlett.

*Woodstock.*—George E. Spinney, Woodstock.

## NORTH CAROLINA.

**Nantahala.**—R. W. Shields, Franklin (WU) ; S. M. Shanklin, deputy supervisor ; C. E. Beaumont, forest examiner.

*Ranger District: Clayton.*—R. C. Nicholson, Clayton, Ga.

*Highlands.*—J. E. Potts, Highlands.

*Nantahala.*—R. C. Brown, Franklin.

**Pisgah** (includes Pisgah, Boone, Mount Mitchell, and northern portion of the Nantahala Purchase Units).—Verne Rhoades, Asheville (WU, P) ; Meriam A. Mattoon and Ira T. Yarnall, forest examiners.

*Ranger District: Davidson River.*—Leory O'Kelley, Pisgah Forest.

*Bent Creek.*—Clarence L. Fink, Biltmore.

*Big Ivy.*—J. O. Brigman, Pisgah Forest.

*Catawba.*—J. H. Young, Old Fort.

*Buck Creek-South Toe.*—George M. Bird, Garden City (Exp. Marion).

*Wilson Creek.*—Monroe Coffey, Edgemont.

## OKLAHOMA.

**Wichita.**—Frank Rush, Cache (WU).

*Ranger District: Wichita.*—Leo Hawthorne, Cache.

## PENNSYLVANIA.

**Allegheny Purchase Unit.**—L. L. Bishop, Warren (WU) ; Frank T. Murphy, forest examiner ; Clarence H. Burrage, P. M. Hodgkins, and Everett B. Stone, jr., forest assistants.

## PORTO RICO.

**Luquillo.**—E. Murray Bruner, forest examiner, Rio Piedras.

## TENNESSEE.

**Cherokee.**—S. H. Thompson, Athens (WU) ; Carlton L. Perkins, forest assistant.

*Ranger District: Lower Toccoa.*—D. E. Edmondson, Margret, Ga. (Exp. Blue Ridge, Ga.).

*Upper Toccoa.*—W. A. Woody, Sarah, Ga. (Exp. Blue Ridge, Ga.).

*Ocoee.*—W. P. Duncan, Postelle (Exp. Ducktown).

*Hiwassee.*—Leland Fouts, McFarland.

**Unaka.**—H. L. Russell, Bristol (WU) ; W. N. Sloan, James Denman, and C. F. Muzzey, examiners of surveys ; Lloyd O. Grapp, forest assistant.

*Ranger District: Damascus.*—H. R. Koen, Damascus, Va.

*Shady.*—G. S. Blevins, Crandull (Exp. Damascus, Va.).

*Carter.*—G. W. Cole, Carter.

*Erwin.*—R. T. Reed, Erwin.

## VIRGINIA.

**Natural Bridge.**—J. H. Fahrenbach, Beuna Vista (WU); H. M. Sears, forest examiner; A. R. Kinney, examiner of surveys; Simeon D. Anderson, forest assistant.

*Ranger District: Glenwood.*—J. W. McNair, Natural Bridge Station.  
*Pedlar.*—Thomas A. Wilson, Buena Vista.

**Shenandoah.**—S. H. Marsh Harrisonburg (WU); W. H. Stoneburner, deputy supervisor, Edinburg (WU).

*Ranger District: Deerfield.*—H. B. Eye, Deerfield.  
*North River.*—J. William Bowman, Bridgewater.  
*Potomac.*—Arthur A. Wood, Lost River, W. Va.  
*Massanutten.*—John W. Crisman, ranger, Edith.

## WEST VIRGINIA.

**Monongahela.**—H. L. Johnson, Elkins (WU); W. H. Sullivan, Rezin E. Pidgeon, A. A. Riemer, P. G. Jenney, and E. R. Conrad, examiners of surveys; W. E. Hedges, national forest examiner.

*Ranger District: Dry Fork.*—Charles E. Long, Gladwin.

## DISTRICT 8.

## ALASKA DISTRICT.

Alaska. Office, Juneau, Alaska.

CHARLES H. FLORY, district forester; M. L. Merritt, assistant district forester; B. F. Heintzleman, logging engineer; Wellman Holbrook, national forest examiner.

FINANCE AND ACCOUNTS.—Louis King, fiscal agent.

## NATIONAL FORESTS.

## ALASKA.

**Chugach.**—W. J. McDonald, Cordova (WU, P); L. C. Pratt, executive assistant.

*Ranger District: Prince William Sound.*— ———, Cordova.

*Katalla.*— ———, Katalla.

*Seward.*—G. C. Haneman, Anchorage.

**Tongass.**—Charles T. Gardner, Ketchikan (SC, USA, P, WU); Robert A. Zeller, forest examiner; J. P. Williams and R. L. Cline, national forest examiners; Lyle W. Blodgett, port engineer; B. R. Aikens, pilot and gas engineer; Herman E. Starker, senior clerk.

*Ranger District: Ketchikan.*—J. M. Wyckoff, deputy supervisor, Ketchikan.

*Petersburg.*—J. L. MacKechnie, deputy supervisor, Petersburg.

*Juneau.*—H. E. Smith, deputy supervisor, Juneau.

*Sitka.*—George H. Peterson, deputy supervisor, Sitka.

*Craig.*— ———, Craig.